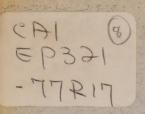
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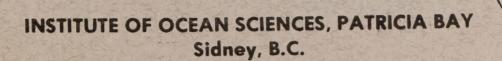
# OCEANOGRAPHIC OBSERVATIONS AT OCEAN STATION P (50°N, 145°W)

VOLUME 81 25 March - 12 May 1977

by

Seakem Oceanography Ltd.





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## OCEANOGRAPHIC OBSERVATIONS AT OCEAN STATION P (50°N, 145°W)

Volume 81

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Seakem Oceanography Ltd.

Institute of Ocean Sciences, Patricia Bay Sidney, B.C.

October 1977

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#### ABSTRACT

Physical, chemical and biological oceanographic observations are made from the weathership at Ocean Weather Station Papa, and between Esquimalt and Station Papa, on a routine continuing basis. Physical oceanography data only are shown, including surface observations and profiles obtained with bottle casts and conductivity-temperature-pressure instruments.

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#### INTRODUCTION

Canadian operation of Ocean Weather Station P (Latitude 50°00'N, Longitude 145°00'W) was inaugurated in December, 1950. The station is occupied primarily to make meteorological observations of the surface and upper air and to provide an air-sea rescue service. The station is manned by two vessels operated by the Marine Services Branch of the Ministry of Transport. They are the CCGS Vancouver and the CCGS Quadra. Each ship remains on station for a period of six weeks, and is then relieved by the alternate ship, thus maintaining a continuous watch.

Bathythermograph observations have been made at Station P since July 1952. A program of more extensive oceanographic observations commenced in August 1956. This was extended in April 1959, by the addition of a series of oceanographic stations along the route to and from Station P and Swiftsure Bank. These stations are known as Line P stations. The number of stations on Line P has been increased twice and now consists of twelve stations (Fig. 1). Bathythermograph observations and surface salinity sample collections, in addition to being made on Line P oceanographic stations, are also made at odd meridians at 40', i.e. 139 40'W, 141 40'W, etc. These stations are known as Line P BT stations. Data observed prior to 1968 have been indexed by Collins et al (1969).

The present record includes hydrographic, continuously sampled STP and surface salinity and temperature data collected from the CCGS Vancouver during the period 25 March to 12 May 1977.

All physical oceanographic data have been stored by the Canadian Oceanographic Data Centre (CODC), 615 Booth Street, Ottawa, Ontario, Canada. Requests for these data should be directed to CODC.

Biological and productivity data are published in the Manuscript Report series of the Fisheries Research Board of Canada (FRB), Pacific Biological Station, Nanaimo, British Columbia, Canada. Requests for these data should be directed to FRB.

Marine geochemical data are for the Ocean Chemistry Group, Ocean and Aquatic Sciences, Environment Canada, Institute of Ocean Sciences, Patricia Bay, P.O. Box 5000, Sidney, B.C. V8L 4B2.

# PROGRAM OF OBSERVATION FROM CCGS VANCOUVER, 25 MARCH - 12 MAY 1977 (P-77-3) (CODC Ref. No. 15-77-003)

Oceanographic observations were made by Mr. B. Canning of Seakem Oceanography Ltd., Victoria, B.C.

### En Route to Station P

Line P Stations 1 to 6 and 12 were occupied and an STP profile made to near bottom or 1500 metres. Stations 7 to 11 were cancelled due to rough weather. No hydrocasts were done.

Samples for nitrate, nutrient, alkalinity and total CO $_2$  were taken from the seawater loop at all whole stations, with salinity taken at whole and half stations 1 to  $6\frac{1}{2}$  and 12. Surface bucket salinities were taken at whole and half stations 1 to 5, 7 to  $11\frac{1}{2}$  and  $12\frac{1}{2}$ . Surface bucket temperatures were taken at all whole and half stations.

Surface tarball tows were made at Stations 1, 3, and 5.

The thermosalinograph, surface temperature recorder and  $PCO_2$  system were run continuously.

Mechanical BT's or XBT's were taken at all whole and half stations.

#### On Station P

The oceanographic program was carried out as follows:

Physical Oceanography:

- 1) Profiles of salinity, temperature and oxygen were obtained from 6 hydrographic casts to near bottom (4200 metres).
- 2) 32 STP profiles to 1500 metres (or near bottom) were obtained.
- 3) BT's or XBT's were taken every three hours to coincide with meteorological observations, encoded and transmitted according to the IGOSS format.
- 4) Salinity samples were collected daily at 0000 hrs GMT from the seawater loop (or from a bucket when the loop was not operational).

Marine Geochemistry:

- 1) Nutrient and salinity samples were collected daily at 0000 hrs GMT from the seawater loop. Two profiles for nutrients to 500 m and one profile for tritium to 500 m were taken. One loop sample and one rainwater sample were also collected for tritium.
- 2) Alkalinity and total CO<sub>2</sub> samples were taken about every 3 days from the seawater loop or bucket, and in addition, 2 profiles each to 500 m were taken.

- 3) Air CO<sub>2</sub> samples were taken in quadruplicate at weekly intervals.
- 4) 4 surface tarball tows were completed.
- 5) 2 seawater C-14 samples were extracted from 45 gallons of seawater taken from the seawater loop along with 2 seawater C-13 and 2 air C-13 samples.
- 6) PCO<sub>2</sub> carboys were filled every 3 days when the loop system was operational.

Biology and Productivity:

Samples were obtained as follows:

- 30 150 metre vertical plankton hauls.
   2 1200 metre vertical plankton hauls.
  - 3 groups of subsurface plankton hauls were taken on 3 consecutive nights at sunset.
- 2) 2 profiles to 200 metres for each of plant pigment, nitrate and C productivity were obtained, as well as 3 surface samples each.

On April 16, 1977, an emergency run was made into Quatsino Sound. Salinity samples were taken every three hours. The PCO<sub>2</sub> system, thermosalinograph and surface temperature recorder were run continuously. The ship returned to Station P on April 22.

#### En Route from Station P

An STP profile was made at Stations 12, 10 to 6 and 4 to 1. Nutrient, nitrate, alkalinity and total CO<sub>2</sub> samples were taken from the seawater loop at all whole stations. Salinity samples were taken at all whole and half stations. Bucket salinity samples were taken at Stations 5 to 1. Surface bucket temperatures were taken at all whole and half stations. Tarball tows were taken at Stations 12, 10, 8, 6, and 4. Mechanical BT's or XBT's were taken at all whole and half stations. The PCO<sub>2</sub> system, thermosalinograph, and surface temperature recorder were run continuously.

### Observations for Other Agencies

- Marine mammal observations were made by the ship's officers for Mr. I. McAskie, Fisheries Research Board of Canada, Pacific Biological Station, Nanaimo, British Columbia, Canada.
- 2) Bird observations were made by the ship's officers for Dr. M. Myres, University of Alberta, Calgary, Alberta, Canada and Mr. J. Guiguet, Curator of Birds and Mammals, Provincial Museum, Department of Provincial Secretary and Travel Industry, Victoria, British Columbia, Canada.
- 3) Air CO<sub>2</sub> samples were taken weekly in duplicate for Scripps Institution of Oceanography, La Jolla, California, U.S.A.

Data were processed for publication by Ms. M. Sainsbury of Seaken Oceanography Ltd., Victoria, B.C.

## OBSERVATIONAL PROCEDURES

Observations for salinity, oxygen and temperature from all hydrographic casts, including the surface, were obtained with Niskin water sample bottles equipped with either Richter and Wiese and/or Yoshino Keiki Co. reversing thermometers. Two protected thermometers were used on all bottles and one unprotected thermometer was used on each bottle at depths of 300 m or greater. The accuracy of protected reversing thermometers is believed to be  $\pm$  0.02°C.

The daily surface water temperature was measured from a bucket sample using a deck thermometer of  $\pm$  0.1°C accuracy. The daily surface salinity samples were obtained from the seawater loop. When the seawater loop was not operational these samples were obtained with a bucket, and are indicated with a 'b' in this data record.

Salinity determinations were made aboard ship with either an Autolab Model 601 Mark III inductive salinometer or a Hytech Model 6220 lab salinometer. Accuracy using duplicate determinations is estimated to be  $\pm~0.003^{\circ}$ /oo.

Depth determinations were made using the "depth difference" method described in the U. S. N. Hydrographic Office Publications No. 607 (1955). Depth estimates have an approximate accuracy of  $\pm$  5 m for depths less than 1000 m, and  $\pm$  0.5% of depth for depths greater than 1000 m.

The dissolved oxygen analyses were done in shipboard laboratory by a modified Winkler method (Carpenter, 1955).

Line P engine intake continuous temperature on both ships were recorded by a Honeywell Electronik 15 Recorder. The temperature probe is at a depth of approximately 3 metres below the sea surface and the instrument accuracy is believed to be  $\pm~0.1^{\circ}\mathrm{C}$ .

Each ship is equipped with a Plessey Model 6600-T thermosalinograph which is used, on Line P, for continuous recording of surface temperatures and salinities from the ship's seawater loop. The temperature probe is mounted at the seawater loop intake (approximately 3 metres below the surface) and the salinity probe and recorder are situated in the dry lab. The accuracy of this instrument is believed to be  $\pm$  0.1°C for temperature and  $\pm$  0.1°/oo for salinity.

STP profiles were taken with a Guildline Model 8700 STP system.

#### COMPUTATIONS

All hydrographic data were processed with the aid of an IBM 370 computer and a UNIVAC 1100 computer. Reversing thermometer temperature corrections, thermometric depth calculations and accepted depth from the "depth difference" method were computed. Extraneous thermometric depths caused by thermometer malfunctions were automatically edited and replaced. A Calcomp 565 Offline Plotter was used to plot temperature-salinity, and temperature-oxygen diagrams, as well as plots of temperature, salinity and dissolved oxygen vs log depth. These plots were used to check the data for errors.

Missing hydrographic data were obtained using a weighted parabolas interpolation method (Reiniger and Ross, 1968). These data are indicated with an asterisk in this data record.

Data values which we suspect but which we have included in this data record are indicated with a plus. These data have been removed from punch card and magnetic tape records.

Analog records from the salinity-temperature-pressure instrument have been machine digitized, then replotted using the Calcomp plotter.

Digitization was continued until original and computer plotted traces were coincident. Temperature and salinity values were listed at standard pressures; integrals (depths, geopotential anomaly, and potential energy anomaly) were computed from the entire array of digitized data.

The headings for the data listings are explained as follows:

PRESS is pressure (decibars)

TEMP is temperature (degrees Celsius)
SAL is salinity (parts per thousand)

DEPTH is reported in metres

SIGMA-T is specific gravity anomaly SVA is specific volume anomaly

THETA is potential temperature (degrees Celsius)

SVA (THETA) is potential specific volume anomaly

DELTA D is geopotential anomaly (J/kg)
POT EN is potential energy in units of 10 ergs/cm

OXY is the concentration of dissolved oxygen expressed in milli-

litres per litre

SOUND is the velocity of sound in m/sec.

#### REFERENCES

- Carpenter, J.H., 1965. The Chesapeake Bay Institute technique for the Winkler dissolved oxygen method. Limnol. and Oceanogr. 10: 141-143.
- Collins, C.A., R.L. Tripe, D.A. Healey and J. Joergensen, 1969. The time distribution of serial oceanographic data from the Ocean Station P programme. Fish. Res. Bd. Can. Tech. Rept. No. 106.
- MacNeill, M., 1977. A study of anomalous salinity and oxygen values in the deep water at Ocean Station P from 1960-1976 (unpublished manuscript). Pacific Marine Science Report 77-9.
- Reiniger, R.F. and C.K. Ross, 1968. A method of interpolation with application to oceanographic data. Deep Sea Res., 15: 185-193.
- U. S. N. Hydrographic Office, 1955. Instruction Manual for oceanographic observations, Publ. No. 607.

LOG OF HYDROGRAPHIC AND STD OBSERVATIONS

Consec #	Positions	Date (Z)	Time (Z)	STD (m)	Hydrocast (m)	Comments
COLIBCE "						
1	125-33°W	25/3/77	2330	80		
2	126-00°W	26/3/77	0130	80		
3	126-40°W	26/3/77	0345	1,200		
4	127-40°W	26/3/77	0745	1,500		
5	128-40°W	26/3/77	1135	1,475		
6	130-40°W	26/3/77	1855	1,460		
7	142-40°W	28/3/77	1405	1,450		
8	P	29/3/77	0005	1,525		
9	P	29/3/77	1715		4,200	T,S,0,A1k.
10	P	29/3/77	2030	1,505		
11	P	30/3/77	1735	1,500		
12	P	31/3/77	1925	1,500		
13	P	1/4/77	1805	1,490		
14	P	2/4/77	1755	1,365		
15	P	3/4/77	1750	1,410		
16	P	4/4/77	1725		4,200	T,S,0,A1k
17	P	4/4/77	2055	1,555		
18	P	5/4/77	1740	1,480		
19	P	6/4/77	1730	1,595		
20	P	7/4/77	1730	1,325		
21	P	8/4/77	1750	1,510		
22	P	9/4/77	1740	1,310		
23	P	10/4/77	1800	1,330		
24	P	11/4/77	1810	1,445		
25	P	12/4/77	1745	1,510		
26	P	12/4/77	2050	1,510	4,200	T,S,O,Alk
27	P	13/4/77	1735	1,500	1,200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
28	P	22/4/77	1720	1,500	4,200	T,S,O,A1k
29	P	22/4/77	2035	1,500	1,200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
30	P	23/4/77	1805	1,500		
31	P	24/4/77	1730	1,500		
32	P	25/4/77	1715	1,500		
33	P	26/4/77	1805	1,510		
34	P	27/4/77	1730	1,500		
35	P	28/4/77	1725	1,500	4,200	T,S,O,A1k
36	P	28/4/77	2100	1,505	,,200	, , , , , , , , , , , , , , , , , , , ,
37	P	29/4/77	1720	415		
38	P	29/4/77	1730	1,500		
39	P	30/4/77	1740	1,500		
40	P	1/5/77	2145	1,355		
41	P	4/5/77	1810	1,425		
42	P	5/5/77	1715		4,200	T,S,O,A11
43	P	5/5/77	2040	1,500	1,200	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
44	P	6/5/77	1800	1,500		
45	P	7/5/77	1745	1,500		1
46	P	8/5/77	1750	1,500		
47	142-40°W	9/5/77	0625	1,300		

# LOG OF HYDROGRAPHIC AND STD OBSERVATIONS (continued)

Consec #	Positions	Date (Z)	Time (Z)	STD (m)	Hydrocast (m)	Comments
	!					
48	138-40°W	9/5/77	1810	1,500		
49	136-40°W	10/5/77	0030	1,500		
50	134-40°W	10/5/77	0640	1,420		
51	132-40°W	10/5/77	1305	1,500		
52	130-40°W	10/5/77	1910	1,475		
53	127-40°W	11/5/77	0415	1,500		
54	126-40°W	11/5/77	0805	1,200		
55	126-00°W	11/5/77	1030	90		
56	125-33°W	11/5/77	1210	100		

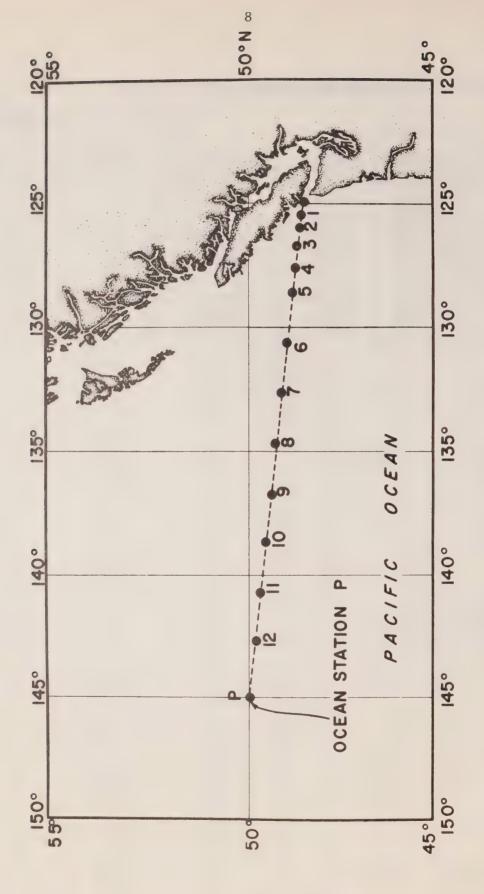


Fig. 1 Chart showing Line P station positions.

Oceanographic Data Obtained on Cruise P-77-3

(CODC Reference No. 15-77-003)



Results of Hydrographic Observations
(P-77-3)

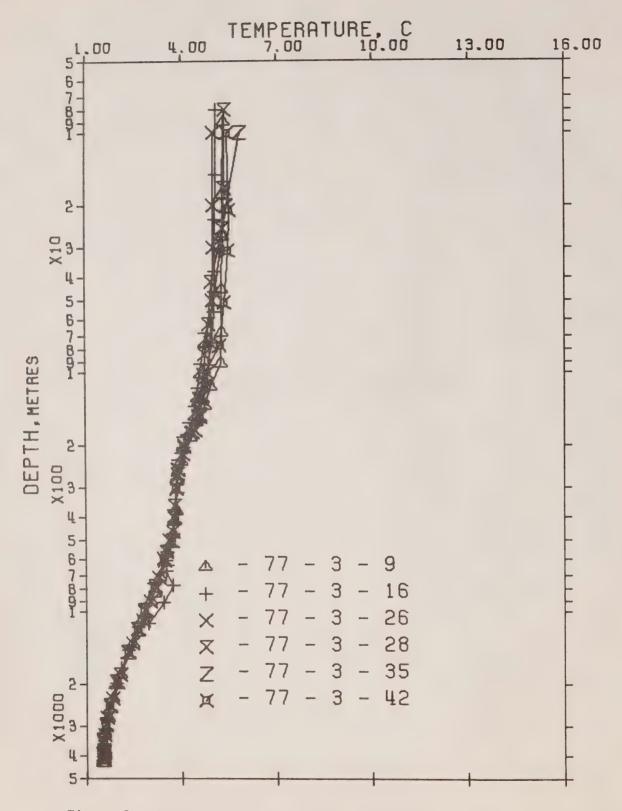


Figure 2. Composite plot of temperature vs  $\log_{10}$  depth for Station P. P-77-3.

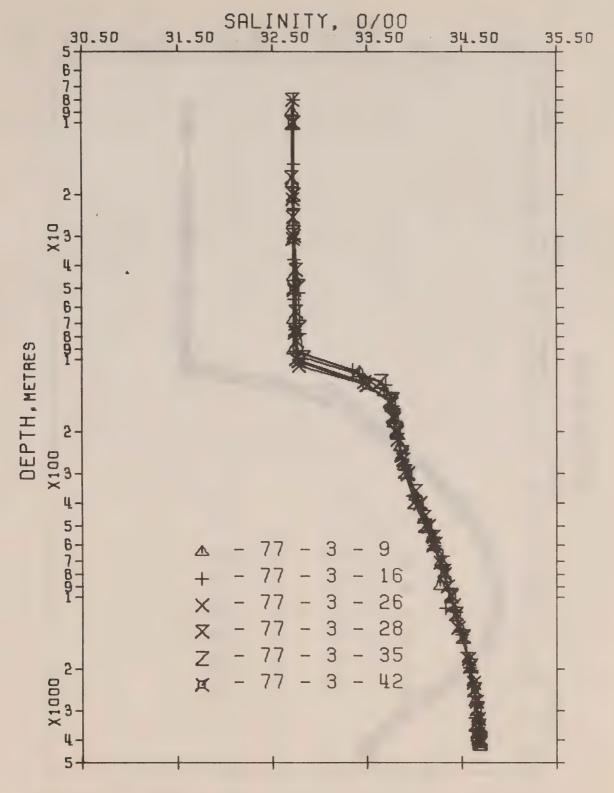


Figure 3. Composite plot of salinity vs  $\log_{10}$  depth for Station P. P-77-3.

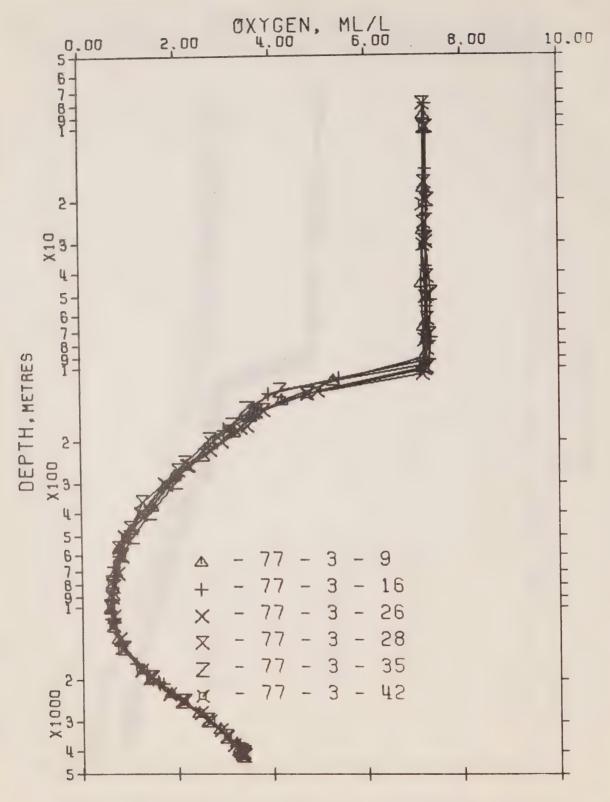
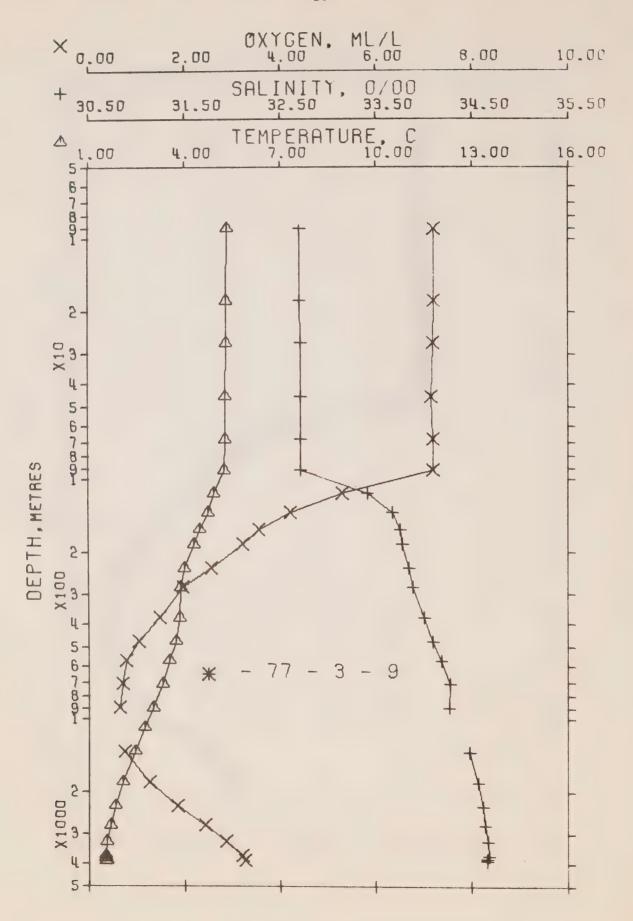


Figure 4. Composite plot of oxygen vs  $\log_{10}$  depth for Station P. P-77-3.





OFFSHORE OCEANUGRAPHY GROUP REFERENCE NO. 77- 3- 9 DATE 29/ 3/77 GMT 17.5 POSITION 50- 0.0 N, 145- 0.0 W HYDROGRAPHIC CAST DATA

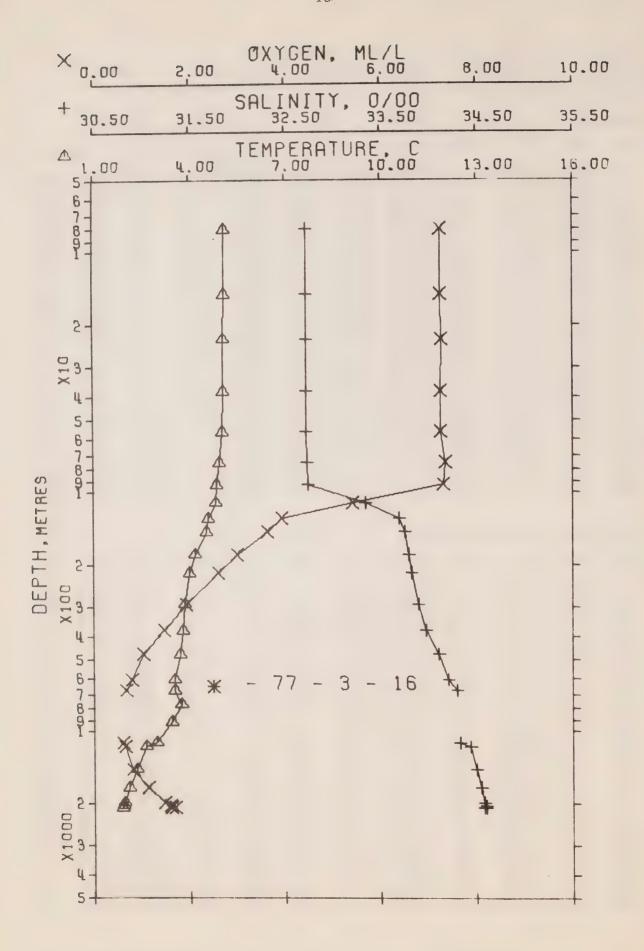
STATION P

OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	D	EN	0 / .	300110
0	5.35	32.712	. 0	25.848	216.0	5.35	216.0	•00	•00	7.19	1469.
9	5.34	32.714	9	25.851	215.8	5.34	215.7	•20	•01	7.23	1470.
18	5.32	32.712	18	25.852	215.9	5.32	215.7	.39	• 04	7.22	1470.
27	5.32	32.717	27	25.856	215.6	5.32	215.3	•59	•08	7.21	1470.
45	5.30	32.716	45	25.857	215.6	5.30	215.1	•98	•23	7.17	1470.
68	5.28	32.718	68	25.861	215.5	5.27	214.7	1.48	•51	7.20	1470.
92	5.27	32.718	91	25.862	215.6	5.26	214.6	1.98	•93	7.20	1471.
115	4.92	33.425	114	26.460	159.0	4.91	157.8	2.41	1.38	5.31	1470.
138	4.74	33.684	137	26.685	137.9	4.73	136.4	2.76	1.82	4.21	1470.
162	4.47	33.765	161	26.779	129.2	4.46	127.6	3.08	2.31	3.57	1470.
186	4.30	33.761	185	26.809	126.4	4.29	124.6	3.39	2.86	3.23	1470.
235	4.00	33.854	233	26.898	118.3	3.98	116.2	3.98	4.13	2.55	1469.
283	3.88	33.892	281	26.941	114.6	3.86	112.1	4.54	5.62	1.96	1469.
360	3.86	34.006	377	27.033	106.6	3.83	103.3	5.61	9.23	1.48	1471.
477	3.72	34.103	473	27.124	98.7	3.69	94.6	6.61	13.57	1.04	1472.
572	3.53	34.193	567	27.214	90.7	3.49	86.0	7.51	18.37	.79	1473.
716	3.30	34.276	710	27.302	83.1	3.25	77.6	8.76	26.59	.70	1475.
904	3.00	34.274	895	27.328	81.3	2.94	75.0	10.29	39.27	.63	1476.
1092	2.75	34.369 *	1081	27.427	72.7	2.68	65.6	11.75	54.01	.68	
1376	2.44	34.485	1361	27.546	62.2	2.35	54.2	13.05	77.91	.75	1482.
1852	2.05	34.568	1830	27.644	53.8	1.92	44.7	16.41	123.13	1.27	1488.
2332	1.30	34.620	2302	27.705	48.7	1.64	38.7	18.86	175.34	1.83	1495.
2616	1.65	34.639	2776	27.731	47.0	1.44	36.0	21.17	236.01	2.43	1503.
3300	1.55	34.670	3250	27.764	44.7	1.30	32.6	23.39	305.07	2.86	1511.
3785	1.52.	34.679	3723	27.773	44.9	1.22	31.4	25.55	383.12	3.20	1519.
3881	1.51	34.663+	3817	27.761	46.2	1.20	32.5	25.99	400.28	3.23	* 1521.
3967	1.52	34.662 +	3901	27.759	46.6	1.20	32.6	26.39	416.27	3.26	1522.

#### INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	PUT.	OXY	SOUND
				Т			(THETA)	D	EN		
0	5.35	32.712	0	25.848	216.0	5.35	216.0	•00	• 00	7.19	1469.
10	5.34	32.714	10	25.851	215.8	5.34	215.7	.22	•01	7.23	1470.
20	5.32	32.713	20	25.853	215.8	5.32	215.6	.43	• 04	7.22	1470.
30	5.32	32.717	30	25.856	215.6	5.31	215.2	•65	•10	7.20	1470.
50	5.30	32.716	50	25.858	215.6	5.29	215.0	1.08	•27	7.18	1470.
75	5.28	32.718	75	25.861	215.5	5.27	214.7	1.62	•62	7.20	1470.
100	5.13	32.993	99	26.095	193.6	5.13	192.5	2.15	1.10	6.47	1471.
125	4.84	33.545	124	26.564	149.2	4.83	147.9	2.57	1.57	4.80	1470.
150	4.60	33.726	149	26.734	133.4	4.59	131.8	2.92	2.06	3.88	1470.
175	4.38	33.774	174	26.795	127.7	4.36	125.9	3.24	2.60	3.38	1470.
200	4.21	33.803	199	26.837	123.9	4.19	122.0	3.56	3.20	3.02	1469.
225	4.06	33.841	223	26.882	119.8	4.04	117.7	3.86	3.86	2.68	1469.
250.	3.96	33.867	248	26.913	117.0	3.94	114.8	4.16	4.57	2.35	1469.
300	3.88	33.914	. 298	26.959	113.0	3.86	110.4	4.73	6.19	1.87	1470.
400	3.83	34.028	397	27.054	104.8	3.80	101.3	5.82	10.07	1.38	1471.
500	3.67	34.126	496	27.148	96.6	3.64	92.4	6.83	14.69	.97	1472.
600	3.48	34.211	595	27.233	89.1	3.44	84.2	7.76	19.88	.77	1473.
700	3.32	34.267	694	27.293	83.9	3.28	78.4	8.62	25.60	.71	1474.
800	3.16	34.275	793	27.315	82.3	3.10	76.3	9.45	31.91	.67	1475.
900	3.01	34.274	891	27.328	81.4	2.94	75.1	10.27	39.00	.63	1476.
1000	2.87	34.325	990	27.381	76.7	2.80	70.0	11.06	46.70	.66	1478.
1200	2.62	34.416	1188	27.475	68.4	2.54	61.0	12.51	62.91	.71	1480.
1500	2.33	34.509	1482	27.574	59.8	2.22	51.5	14.41	89.00	.90	1484.
2000	1.97	34.585	1975	27.664	52.1	1.83	42.7	17.19	138.50	1.46	1491.
2500	1.74	34.627	2466	27.715	48.1	1.57	37.7	19.67	195.33	2.05	1498.
3000	1.61	34.651	2956	27.744	46.1	1.39	34.6	22.03	261.42	2.60	1506.
3500	1.54	34.674	3446	27.768	44.8	1.27	32.1	24.29	336.00	3.01	1514.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NG. 77- 3- 16 DATE 4/ 4/77 GMT 17.0
POSITION 50- .0 N. 145+ .0 W
HYDROGRAPHIC CAST DATA

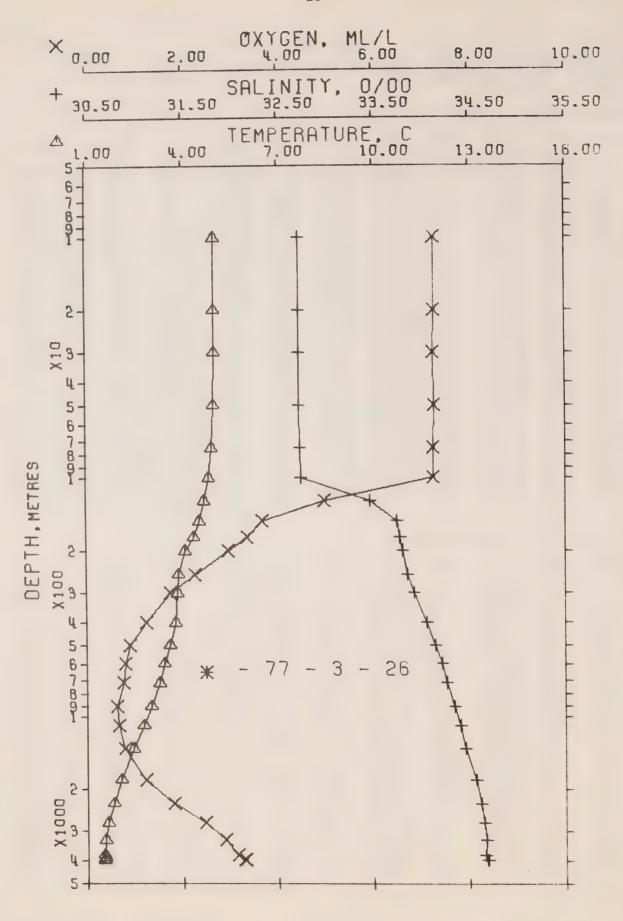
STATION P

OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGNA	SVA	THETA	SVA	DEL TA	0/.=		
				T	344	THETA	0 1 11	DELTA	PUT.	OXY	SOUND
U	5.09	32.725	. 0	25.888	212.2	5.09	(THETA)	D	EN		
8	5.10	32.727	8	25.888	212.3		212.2	•00	• 00	7.25	1468.
15	5.10	32.727	15	25.888	212.3	5.10	212.2	•17	•01	7.26	1469.
23	5.07	32.727	23	25.892	212.1	5.10 5.07	212.2	•32	•02	7.25	1469.
38	5.09	32.729	38	25.891	212.3	5.09	211.8	•49	•06	7.28	1469.
56	5.05	32.730	56	25.896	211.9	5.05	211.9	•81	•16	7.25	1469.
75	4.96	32.739	75	25.914	210.5	4.95	211.4	1.20	• 34	7.27	1469.
94	4.88	32.748	93	25.929	209.1	4.87	208.2	1.60	•62	7.35	1469.
111	4.83	33.353	110	26.413	163.4	4.82	162.3	1.99	•95	7.32	1469.
129	4.61	33.704	128	26.715	134.9	4.60	133.6	2.31	1.28	5.42	1470.
147	4.53	33.765	146	26.772	129.7	4.52	128.2	2.58	1.01	3.95	1470.
182	4.18	33.800	181	26.837	123.7	4.17	122.0	3.26	1.94	3.64	1470.
219	4.00	33.832	217	26.881	119.8	3.98	117.8	3.70	2.69	3.00	1469.
295	3.86	53.901	293	26.950	113.8	3.84	111.2	4.60	3.59 5.93	2.59	1469.
380	3.79	33.984	377	27.023	107.6	3.76	104.3	5.53	9.16	1.92	1470.
478	3.69	34.107	474	<7·130	98.1	3.66	94.0	6.54	13.54	1.45	1471.
610	3.51	34.207	605	27.227	89.8	3.47	84.7	7.78	20.42	1.03	1472.
678	3.51	34.302	072	27.303	83.2	3.46	77.5	8.36	24.24	•79	1474.
777	3.73	34.309 *	770	27.287	85.8	3.67	78.9	9.20	30.47	.65	1475.
920	3.43	34.318 *	911	27.323	82.9	3.36	75.4	10.40	40.87		1473. 1479.
1125	2.94	34.329	1114	27.378	77.9	2.86	70.2	12.11	58.05	.60	1479.
1164	2.61	34.436	1152	27.492	66.6	2.53	59.4	12.38	61.88	•65	1479.
1456	2.33	34.503	1440	27.569	60.1	2.23	52.0	14.22	86.46	.80	1479.
1741	2.08	34.551	1721	27.628	54.9	1.96	46.3	15.86	113.16	1.12	1487.
2013	1.94	34.582	1988	27.664	52.1	1.80	42.8	17.31	140.56	1.46	1491.
2065	1.89	34.599	2039	27.681	50.4	1.75	41.1	17.58	146.39	1.58	1491.
2111	1.86	34.600	2085	27.684	50.2	1.71	40.8	17.81	151.23	1.59	1491.
Z116	1.80	34.579+	2090	27.667.	51.7	1.71	42.4	17.83	151.79	1.68	1492.
									20201)	1.0	14760

### INTERPULATED TO STANDARD PRESSURE

PRESS	TEMP	(" A )	OF DEL	C. 7							
11/23	ILMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
0	E ()()	10 715	_	T			(THETA)	D	EN		
0	5.09	32.725	0	25.888	212.2	5.09	212.2	.00	•00	7.25	1468.
10	5.10	32.727	10	25.888	212.3	5.10	212.2	.21	.01	7.26	1469.
20	5.08	32.727	20	25.891	212.2	5.08	212.0	.42	• 04	7.27	1469.
30	5.08	32.728	30	25.891	212.2	5.08	211.9	•64	•10	7.27	1469.
50	5.00	52.730	50	25.895	212.0	5.06	211.5	1.06	•27	7.26	1469.
75	4.96	32.739	<b>7</b> 5	25.914	210.5	4.95	209.7	1.60	•62	7.35	1469.
100	4.86	32.985	99	26.119	191.2	4.85	190.2	2.12	1.08	6.58	1469.
125	4.65	33.633	124	26.654	140.7	4.65	139.4	2.52	1.54	4.25	1470.
150	4.50	33.768	149	20.778	129.1	4.49	127.6	2.85	2.00	3.58	1470.
175	4.25	33.793	174	26.825	124.8	4.23	123.2	3.17	2.53	3.12	1469.
200	4.09	33.816	199	26.859	121.7	4.07	119.9	3.48	3.11	2.79	
د25	3.99	33.839	~ 223	26.887	119.2	3.97	117.2	3.78	3.77	2.53	1469.
250	3.94	33.863	. 248	26.912	117.1	3.92	114.9	4.07	4.48	2.29	1469.
300	3.86	33.906	298	26.954	113.4	3.83	110.8	4.65	6.10	1.89	1469.
400	3.77	34.011	397	27.047	105.4	3.74	102.0	5.75	10.01		1470.
500	3.66	34.125	496	27.148	96.5	3.62	92.3	6.75	14.61	1.36	1471.
600	3.52	34.200	595	27.221	90.3	3.48	85.4	7.69	19.85	.08	1472.
700	3.56	34.304	694	27.299	83.8	3.51	77.9	8.54	25.53	•80	1474.
800	3.08	34.311	793	27.293	85.3	3.62	78.3	9.40		.65	1476.
900	3.47	34.317	891	27.319	83.3	3.40	75.9	10.24	32.05	.63	1478.
1000	3.23	-34 - 323	990	27.346	80.8	3.16	73.2		39.35	.62	1478.
1200	2.57	34.445	1188	27.503	65.7	2.49	58.4	11.06	47.30	.61	1479.
1500	2.29	34.511	1483	27.579	59.2	2.19		12.62	04.74	.67	1480.
2000	1.95	34.581	1975	27.662	52.2		51.0	14.49	90.43	.85	1484.
			17/7	21.002	26.6	1.81	42.9	17.25	139.52	1.45	1491.



OFFSHORE OCEANOGRAPHY GROUP REFERENCE NO. 77- 3- 26 DATE 12/ 4/77 GMT 20.8 POSITION 50- .0 N, 145- .0 W HYDROGRAPHIC CAST DATA

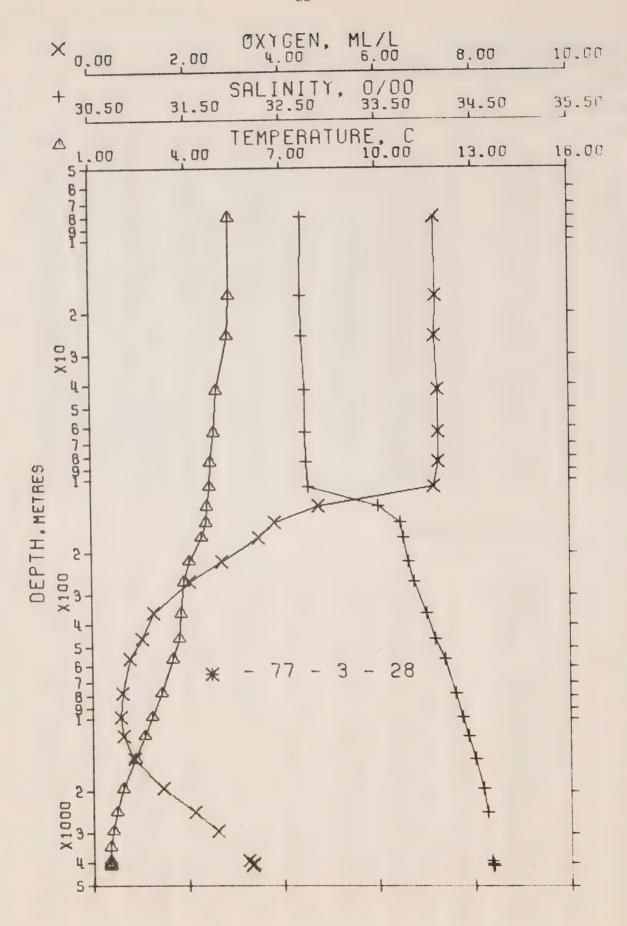
STATION P

OBSERVED DATA

PRESS	TEMP	SAL	LEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	ΟχΥ	SOUND
0	5.04	32.734		T 201			(THETA)	Ü	EN		
10			0	25.901	211.0	5.04	211.0	.00	•00	7.25	1468.
	5.03	32.733	10	25.901	211.1	5.03	211.0	.21	.01	7.28	1468.
20	5.03	32.732	20	25.900	211.2	5.03	211.0	.42	. 04	7.28	1468.
30	5.03	32.732	30	25.900	211.3	5.03	211.0	.64	•10	7.26	1469.
50	4.98	32.733	50	25.907	210.9	4.98	210.4	1.06	.27	7.27	1469.
75	4.92	32.741	75	25.920	209.9	4.91	209.2	1.59	•01	7.27	1469.
101	4.83	32.747	100	25.934	208.7	4.82	207.8	2.12	1.09	7.26	1469.
126	4.69	33.466	125	26.518	153.6	4.68	152.3	2.58	1.61	4.98	1470.
152	4.55	33.755	151	26.762	130.7	4.54	129.1	2.95	2.13	3.68	1470.
177	4.35	33.784	176	26.806	126.6	4.34	124.9	3.27	2.67	3.36	1470.
202	4.10	33.808	201	26.852	122.5	4.09	120.6	3.58	3.28	2.96	1469.
254	3.89	33.860	252	26.914	116.9	3.87	114.6	4.20	4.71	2.26	1469.
304	3.84	33.929	302	26.974	111.6	3.82	108.9	4.77	6.35	1.74	1470.
405	3.79	34.056	402	27.080	102.4	3.76	98.8	5.85	10.24	1.23	1471.
563	3.62	34.148	499	27.170	94.5	3.58	90.3	6.61	14.70	.90	1472.
599	3.44	34.225	594	27.248	87.6	3.40	82.8	7.69	19.60	.80	1473.
724	3.29	34.271	717	27.299	83.5	3.24	77.9	8.75	26.76	.75	1475.
907	3.01	34.350	898	27.388	75.8	2.95	69.4	10.20	38.84	.63	1477.
1091	2.76	34.409	1080	27.457	69.8	2.69	62.7	11.54	52.46	.66	1479.
1371	2.45	34.463	1356	27.527	63.9	2.36	56.0	13.41	75.88	.78	1482.
1846	2.06	34.566	1824	27.641	54.0	1.93	45.0	16.21	121.56	1.22	1488.
2329	1.81	34.619	2299	27.703	48.9	1.65	38.9	18.09	174.27	1.80	1495.
2824	1.64	34.654	2784	27.744	45.8	1.43	34.8	21.03	235.59	2.46	1503.
3327	1.54	34.670	3276	27.764	44.7	1.29	32.6	23.30	306.69	2.87	1511.
3639	1.51	34.605	3776	27.702	45.9	1.20	32.4	25.62	391.57	3.14	1520.
3942	1.53	34.675 *	3877	27.769	45.8	1.21	31.7	26.10	410.43	3.22*	
4036	1.52	54.683	3968	27.776	45.3	1.19	31.0	26.52	427.75	3.29	1523.
4046	1.51	34.688	3978	27.781	44.8	1.18	30.5	26.57	429.06	3.27	1524.
							0000		, 2, , 00	3.7	IJCT0

# INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	LEPTH	SIGMA	SVA	THETA	SVA	DELTA	DOT	0 v <b>V</b>	
				T	0 - 7,	111111111	(THETA)	D	POT.	OXY	SOUND
0	5.04	32.734	0	25.901	211.0	5.04	211.0	•00	EN	7 00	
10	5.03	32.733	10	25.901	211.1	5.03	211.0	•21	• 00	7.25	1468.
20	5.03	32.732	20	25.900	211.2	5.03	211.0	•42	• 01	7.28	1468.
30	5.03	32.732	30	25.900	211.3	5.03	211.0		• 04	7.28	1468.
50	4.98	32.733	50	25.907	210.9	4.98	210.4	•64 1•06	•10	7.26	1469.
75	4.92	32.741	75	25.920	209.9	4.91	209.2	1.59	•27	7.27	1469.
100	4.83	32.747	99	25.934	208.7	4.82	207.8	2.11	1.07	7.27	1469.
125	4.69	33.444	124	26.500	155.3	4.68	154.0	2.56	1.59	7.26	1469.
150	4.56	33.734	149	26.744	132.3	4.55	130.8	2.92	2.09	5.05	1470.
175	4.37	33.782	174	26.803	127.0	4.35	125.3	3.24	2.62	3.38	1470.
200	4.12	33.806	199	26.847	122.9	4.11	121.0	3.55	3.22	3.00	1470. 1469.
225	4.00	33.832	224	26.881	119.8	3.99	117.8	3.65	3.87	2.63	1469.
250	3.90	33.856	248	26.910	117.2	3.89	115.0	4.15	4.59	2.31	1469.
300	3.84	33.924	298	26.969	112.0	3.82	109.4	4.72	6.20	1.78	1470.
400	3.79	34.050	. 397	27.075	102.8	3.76	99.3	5.80	10.02	1.25	1470.
500	3.63	34.145	496	27.167	94.7	3.59	90.5	6.78	14.55	.91	1472.
600	3.44	34.225	. 595	27.249	87.6	3.40	82.7	7.69	19.64	.80	1473.
700	3.32	34.263	694	27.290	84.2	3.27	78.7	8.55	25.33	.76	1474.
800	3.17	34.306	793	27.339	80.0	3.11	74.1	9.37	31.62	.70	1475.
900	3.02	34.347	891	27.385	76.1	2.96	69.6	10.15	38.37	.63	1477.
1000	2.88	34.381	990	27.425	72.6	2.81	65.8	10.90	45.57	• 65	1478.
1200	2.63	34.432	1199	27.487	67.4	2.55	59.9	12.29	61.20	.71	1480.
1500	2.33	34.494	1484	27.562	60.9	2.23	52.6	14.22	87.69	.92	1484.
2000	1.97	34.584	1975	27.663	52.3	1.84	42.9	17.03	137.00	1.42	1491.
2500	1.75	34.632	2466	27.718	47.8	1.57	37.4	19.52	194.58	2.04	1498.
3000	1.60	34.660	2956	27.752	45.4	1.38	34.0	21.83	259.40	2.61	1506.
3500	1.53	34 • 668	3445	27.764	45.1	1.26	32.5	24.07	333.74	2.97	1514.
4000	1.52	34.680	3932	27.773	45.5	1.20	31.2	26.36	421.07	3.27	1523.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 28 DATE 22/ 4/77 GMT 17.8
POSITION 50- .0 N, 145- .0 W
HYDROGRAPHIC CAST DATA

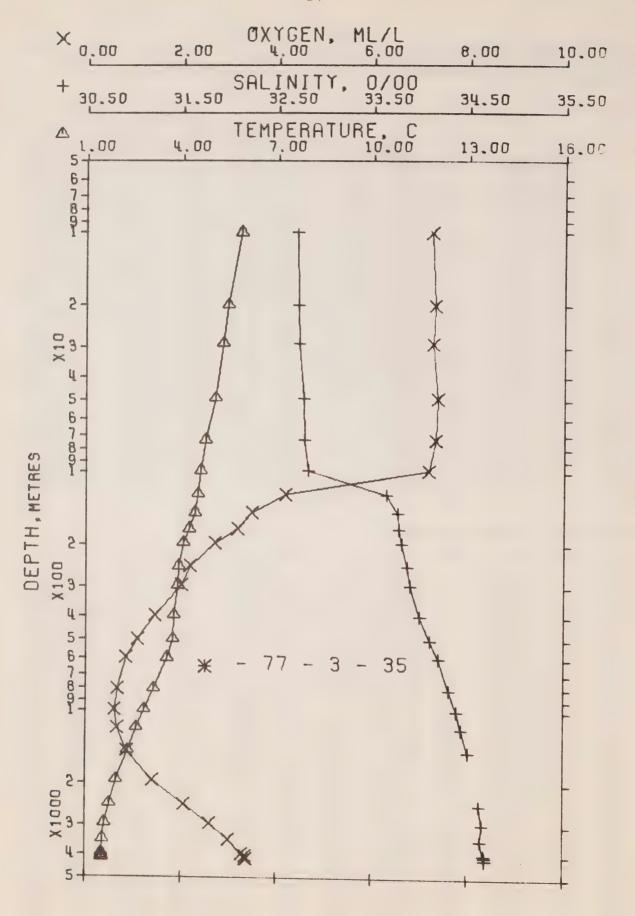
STATION P

OBSERVED DATA

PRESS	TEMP	SAL	UEPTh	SIGMA	SVA	THETA	SVA	DELTA	PUT.	ΟχΥ	SOUND
				T			(THETA)	D	EN		
0	5.45	32.718	0	25.841	216.7	5.45	216.7	• 0 0	• 00	7.17	1470.
8	5.38	52.724	8	25.854	215.5	5.38	215.4	.17	•01	7.22	1470.
17	5.38	32.715	17	25.847	216.3	5.38	216.1	• 37	•03	7.24	1470.
25	5.31	32.716	25	25.856	215.5	5.31	215.2	•54	•07	7.21	1470.
42	4.97	32.749	42	25.920	209.5	4.97	209.1	•91	•19	7.27	1469.
63	4.87	32.753	63	25.934	208.4	4.87	207.8	1.35	•43	7.28	1469.
85	4.74	32.763	84	25.957	206.4	4.73	205.6	1.79	•76	7.27	1468.
107	4.72	32.776	106	25.969	205.4	4.71	204.4	2.24	1.21	7.17	1469.
129	4.63	33.513	128	26.562	149.4	4.62	148.1	2.64	1.68	4.75	1470.
151	4.59	33.743	150	20.748	132.0	4.58	130.4	2.95	2.12	3.84	1470.
174	4.44	33.768	173	26.784	128.8	4.43	127.0	3.25	2.62	3.49	1470.
220	4.06	33.816	218	20.862	121.6	4.04	119.6	3.81	3.76	2.72	1469.
267	3.89	33.864	265	26.933	115.2	3.87	112.8	4.37	5.14	2.04	1469.
363	3.73	34.010	360	27.044	105.4	3.75	102.2	5.43	8.52	1.29	1471.
463	3.72	34.105	459	27.126	98.4	3.69	94.5	6.45	12.80	1.03	1472.
505	3.51	34.200	560	27.222	89.9	3.47	85.3	7.41	17.82	.79	1473.
783	3.16	34.310	776	27.342	79.6	3.11	73.7	9.25	30.45	.62	1475.
985	2.87	34.383	975	27.427	72.3	2.80	65.6	10.78	44.18	•58	1477.
1186	2.62	34.437	1174	27.492	66.8	2.54	59.4	12.18	59.67	.64	1480.
1487	2.31	34.507	1471	27.574	59.7	2.21	51.5	14.07	85.51	.86	1483.
1987	1.93	34.500	1963	27.669	51.4	1.79	42.3	16.85	134.49	1.46	1490.
2487	1.72	34.632	2454	27.721	47.4	1.54	37.2	19.30	190.37	2.12	1498.
2988	1.59	34.647 *	2945	27.742	46.1	1.37	34.9	21.64	255 • 58	2.60	1506.
3491	1.52	34.659 *	3436	27.757	45.6	1.25	33.1	23.93	331.43	2.94*	1514.
3998	1.50	34.670	3931	27.767	45.8	1.18	31.8	26.27	420.45	3.24	1523.
4099	1.52	34 • 683	4030	27.776	45.5	1.19	30.9	26.73	439.57	3.34	1524.
4191	1.52	34.685	4119	27.778	45.6	1.17	30.7	27.15	457.18	3.32	1526.
4201	1.52	34.607	4129	27.779	45.4	1.17	30.5	27.19	459.18	3.32	1526.

#### INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	UELTA	PUT.	OXY	SOUND
				T		*	(THETA)	D	EN		
Û	5.45	32.718	0	25.841	216.7	5.45	210.7	.00	•00	7.17	1470.
10	5.38	32.721	10	25.852	215.7	5.38	215.6	.22	.01	7.23	1470.
20	5.35	32.715	20	25.851	216.0	5.35	215.8	.43	. 04	7.23	1470.
30	5.20	32.727	30	25.878	213.5	5.19	213.2	.65	•10	7.23	1469.
50	4.93	32.751	50	25.926	209.0	4.92	200.6	1.07	•27	7.28	1469.
75	4.79	32.759	75	25.947	207.2	4.79	206.5	1.59	•60	7.28	1468.
100	4.73	32.772	99	25.965	205.7	4.72	204.8	2.10	1.06	7.20	1469.
125	4.04	33.394	124	26.466	158.5	4.64	157.3	2.58	1.60	5.15	1469.
150	4.59	33.733	149	26.740	132.8	4.58	131.2	2.93	2.10	3.98	1470.
175	4.43	33.769	174	26.786	128.6	4.42	120.9	3.26	2.63	3.48	1470.
200	4.21	33.797	198	26.831	124.5	4.20	122.6	3.57	.3.24	3.03	1469.
225	4.04	33.824	-223	26.871	120.8	4.02	118.8	3.88	3.90	2.64	1469.
250	3.95	33.861	248	26.909	117.3	3.93	115.1	4.18	4.62	2.27	1469.
300	3.85	33.932	298	26.975	111.4	3.83	108.8	4.75	6.22	1.76	1470.
400	3.76	34.048	* 397	27.077	102.6	3.73	99.1	5.82	10.02	1.19	1471.
500	3.64	34.142	496	27.163	95 • 1	3.60	90.9	6.81	14.57	.94	1472.
600	3.45	34.220	595	27.244	88.0	3.40	83.2	7.72	19.68	.76	1473.
700	3.28	34.272	694	27.301	83.1	3.23	77.7	8.57	25.34	.67	1474.
800	3.13	34.317	793	27.350	78.9	3.08	73.0	9.38	31.53	.61	1475.
900	2.90	34.354	891	27.394	75.2	2.92	68.8	10.15	38.20	.59	1476.
1000	2.85	34.388	990	27.432	71.9	2.78	65.1	10.89	45.31	.59	1478.
1200	2.60	34 • 441	1188	27.496	66.4	2.52	59.0	12.27	60.30	•65	1480.
1500	2.30	34.509	1484	27.577	59.4	2.20	51.2	14.15	86.66	.88	1484.
2000	1.92	34.589	1975	27.671	51.3	1.79	42.1	16.91	135.82	1.48	1490.
2500	1.72	34.632	2466	27.721	47.3	1.54	37.1	19.36	191.91	2.13	1498.
3000	1.59	34.647	2957	27.742	46.1	1.37	34.8	21.69	257.22	2.61	1506.
3500	1.52	34.659	3445	27.757	45.6	1.25	33.1	23.98	332.97	2.95	1514.
4000	1.50	34.670	3933	27.767	45.8	1.18	31.8	26.28	420.85	3.24	1523.
4100	1.52	34.683	4031	27.776	45.5	1.19	30.9	26.73	439.06	3.34	1524.
4200	1.52	34.687	4128	27.779	45.5	1.17	30.5	27.19	458.96	3.32	1526.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 35 DATE 28/ 4/77 GMT 17.8
POSITION 50- .0 N. 145- .0 W
HYDROGRAPHIC CAST DATA

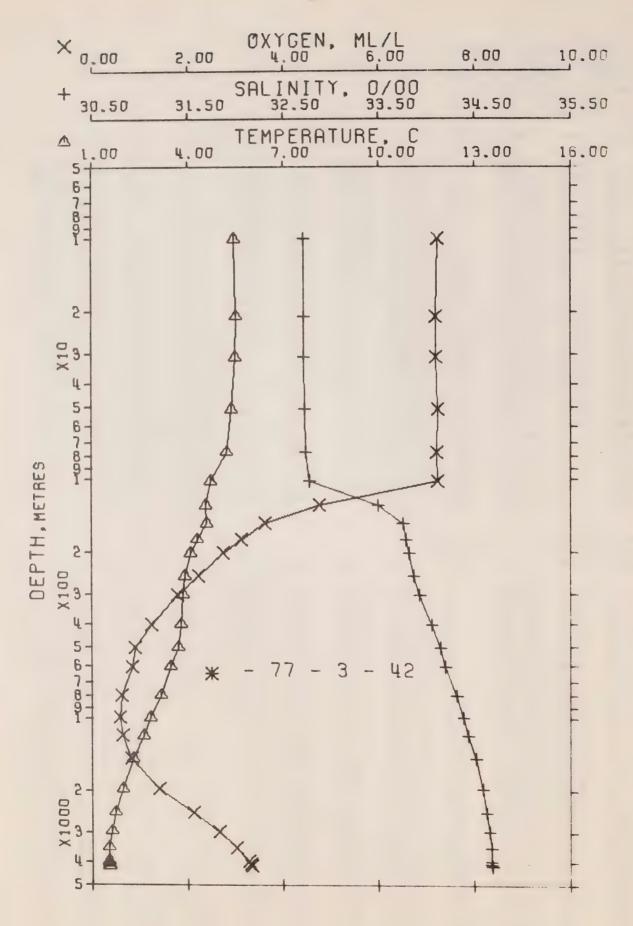
STATION P

## OUSERVED DATA

PRESS	TEMP	SAL	LEPTH	SIGMA	SVA	THETA	SVA	DELTA	PUT.	OXY	SOUND
				T			(THETA)	D	EN		
Ü	5.80	32.716	. 0	25.798	220.7	5.80	220.7	.00	• 00	7.36	1471.
10	5.87	32.714	10	25.788	221.8	5.87	221.7	.22	• U 1	7.24	1472.
20	5.44	32.724	20	25.847	216.3	5.44	216.1	.44	• 05	7.29	1470.
29	5.29	32.731	29	25.870	214.2	5.29	213.9	.64	.09	7.26	1470.
49	5.04	32.776	49	25.934	203.3	5.04	207.8	1.06	• 2b	7.36	1469.
73	4.70	32.789	73	25.975	204.6	4.75	203.9	1.56	•58	7.31	1468.
99	4.59	32.826	98	20.022	200.3	4.58	199.4	2.08	1.03	7.18	1468.
124	4.50	33.653	123	26.687	137.5	4.49	136.3	2.50	1.51	4.17	1469.
148	4.42	33.769	147	26.787	128.2	4.41	126.0	2.82	1.95	3.48	1469.
173	4.24	33.765	172	20.819	125.4	4.23	123.7	3.14	2.47	3.17	1469.
198	4.05	33.814	197	20.861	121.5	4.04	119.7	3.45	3.00	2.70	1469.
249	3.91	33.370	247	20.920	116.3	3.89	114.1	4.05	4.42	2.18	1469.
299	3.00	33.896	297	20.944	114.4	3.86	111.8	4.03	6.05	2.00	1470.
400	3.77	33.996	397	27.034	100.6	3.74	103.2	5.75	10.05	1.44	1471.
502	3.73	34.113	498	27.131	98.3	3.69	93.9	6.79	14.02	1.08	1473.
603	3.54	34.203	598	27.221	90.3	3.50	85.3	7.74	20.19	. 84	1474.
611	3.14	34.313.	804	27.347	79.3	3.08	73.3	9.50	32.84	.65	1476.
998	2.83	54.392	988	27.438	71.3	2.76	64.6	10.90	45.72	.59	1477.
1153	2.00	34.444	1176	27.499	66.1	2.52	56.7	12.21	60.27	.66	1480.
1479	2.32	34.508	1463	27.574	59.7	2.22	51.5	14.03	₫5•Û3	.87	1483.
1977	1.97	34.577 *	1953	27.658	52.7	1.83	43.4	16.83	134.23	1.40	1490.
2486	1.75	34.632	2453	27.718	47.8	1.57	37.4	19.37	191.94	2.07	1498.
3002	1.61	34.661	2958	27.752	45.4	1.39	33.9	21.77	258.98	2.60	1500.
<b>3</b> 518	1.53	34.644+	3463	27.744	46.9	1.26	34.3	24.13	337.59	3.01	1514.
4029	1.52	34.682	3961	27.775	45.4	1.19	31.0	26.50	428.63	3.28	1523.
4130	1.52	34.687	4060	27.779	45.3	1.18	30.6	26.96	447.78	3.37	1525.
4661	1.52	34.690	4148	27.762	45.3	1.17	30.3	27.37	465.10	3.36	1527.
4231	1.53	34.669	4158	27.780	45.5	1.18	30.4	27.41	467.19	3.38	1527.

## INTERPULATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	50UND
				T			(THETA)	U	EN		
0	5.80	32.716	0	25.798	220.7	5.80	220.7	•00	•00	7.36	1471.
10	5.87	32.714	10	25.788	221.8	5.87	221.7	. 62	• U1	7.24	1472.
<b>۷</b>	5.44	32.724	20	25.847	216.3	5.44	216.1	.44	• 05	7.29	1470.
30	5.28	32.733	30	25.873	213.9	5.27	213.6	•66	.10	7.20	1470.
50	5.03	32.776	50	25.935	208.2	5.03	207.7	1.08	.27	7.35	1469.
75	4.75	32.792	75	25.978	204.3	4.74	203.6	1.59	•60	7.31	1468.
100	4.58	32.875	99	26.062	190.5	4.58	195.6	2.10	1.05	7.00	1468.
125	4.50	33.659	124	26.692	137.1	4.49	135.8	2.52	1.53	4.14	1469.
150	4.40	53.770	149	26.790	128.0	4.39	126.5	2.84	1.99	3.46	1469.
175	4.23	33.787	174	26.822	125.1	4.21	123.4	3.16	2.51	3.14	1469.
200	4.05	33.816	199	26.863	121.3	4.03	119.5	3.47	3.10	2.68	1469.
225	3.97	33.845	224	26.894	118.6	3.96	116.6	3.77	3.75	2.41	1409.
450	3.91	33.871	248	26.921	116.2	3.89	114.0	4.06	4.46	2.18	1469.
300	3.88	33.897	298	26.945	114.4	3.86	111.7	4.64	6.08	2.00	1470.
400	3.77	33.996	397	27.034	106.6	3.74	103.2	5.75	10.02	1.44	1471.
500	3.73	34.111	496	27.129	98.4	3.70	94.1	6.77	14.71	1.08	1473.
600	3.55	34.200	595	27.219	90.5	3.50	85.6	7.71	20.01	.85	1474.
700	3.34	34.258	694	27.284	84.8	3.29	79.3	8.59	25.80	.75	1475.
600	3.16	34.308	793	27.341	79.9	3.10	73.9	9.41	32.09	.66	1475.
900	2.98	34.353	891	27.392	75.3	2.92	69.0	10.19	38.81	.62	1476.
1000	2.83	34:393	990	27.439	71.3	2.76	64.5	10.92	45.89	.59	1477.
1200	2.59	34.447	1188	27.503	65.8	2.51	58.4	12.29	61.22	.67	1480.
1500	2.30	34.511	1484	27.578	59.4	2.20	51.1	14.15	86.91	.89	1484.
2000	1.96	34.580	1975	27.661	52.4	1.82	43.1	16.95	136.68	1.43	1491.
2500	1.75	34.633	2466	27.719	47.7	1.57	37.3	19.43	193.61	2.19	1498.
3000	1.61	34.661	2957	27.752	45.4	1.39	33.9	21.76	258.76	2.59	1506.
3500	1.53	34.645	3445	27.744	46.8	1.26	34.3	24.04	334.55	2.99	1514.
4000	1.52	34.680	3933	27.774	45.4	1.20	31.2	26.37	423.31	3.26	1523.
4100	1.52	34.686	4031	27.778	45.3	1.19	30.7	26.82	442.03	3.34	1524.
4200	1.52	34.689	4128	27.781	45.3	1.17	30.4	27.27	461.18	3.36	1526.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 42 DATE 5/ 5/77 GMT 17.7
POSITION 50- .0 N. 145- .0 W
HYDROGRAPHIC CAST DATA

STATION P

OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	ΟχΥ	SOUND
				T			(THETA)	D	EN		
0	5.54	32.716	0	25.829	217.8	5.54	217.8	•00	•00	7.20	1470.
10	5.47	32.716	10	25.837	217.1	5.47	217.0	.22	.01	7.24	1470.
21	5.52	32.718	21	25.833	217.7	5.52	217.4	•46	• 05	7.21	1470.
31	5.49	32.723	31	25.841	217.0	5.49	216.7	•68	•11	7.20	1471.
51	5.38	32.727	51	25.857	215.7	5.38	215.2	1.11	•29	7.24	1470.
78	5.24	32.744	77	25.886	213.2	5.23	212.3	1.68	•66	7.23	1470.
103	4.71	32.779	102	25.972	205.1	4.70	204.1	2.20	1 • 14	7.24	1469.
129	4.57	33.497	128	26.556	150.0	4.56	148.7	2.67	1.69	4.76	1469.
154	4.59	33.762	153	26.763	130.6	4.58	129.0	3.02	2.20	3.63	1470.
179	4.31	33.794	178	26.819	125.5	4.30	123.8	3.34	2.74	3.12	1469.
204	4.08	33.817	203	26.861	121.6	4.07	119.7	3.65	3.35	2.74	1469.
256	3.92	33.872	254	26.921	116.3	3.90	114.0	4.26	4.78	2.22	1469.
306	3.85	33.931	304	26.975	111.6	3.83	108.9	4.84	6.43	1.78	1470.
407	3.80	34.060	404	27.082	102.2	3.77	98.6	5.91	10.34	1.25	1471.
507	3.69	34.148	503	27.163	95.3	3.65	90.9	6.90	14.93	.91	1473.
609	3.45	34.205	604	27.232	89.3	3.41	84.3	7.84	20.28	.83	1473.
806	3.15	34.317	799	27.349	79.1	3.09	73.1	9.50	32.20	.61	1476.
999	2.82	34.391	989	27.438	71.3	2.75	64.6	10.94	45.45	•59	1477.
1193	2.62	34.443	1181	27.497	66.4	2.54	58.9	12.28	00.40	.63	1480.
1491	2.30	34.516	1475	27.582	58.9	2.20	50.7	14.13	85.79	.82	1483.
1997	1.95	34.589	1973	27.668	51.6	1.81	42.3	16.93	135.42	1.40	1490.
2512	1.72	34.635	2478	27.723	47.2	1.54	36.9	19.47	193.72	2.11	1498.
3027	1.59	34.663	2983	27.755	45.1	1.37	33.6	21.83	260.55	2.66	1506.
3541	1.52	34.678	3485	27.772	44.4	1.25	31.7	24.12	337.20	3.01	1515.
4044	1.51	34.677	3976	27.772	45.6	1.18	31.3	26.38	424.44	3.28	1523.
4143	1.52	34.678	4072	27.772	45.9	1.18	31.3	26.83	443.25	3.33	1525.
4232	1.52	34.690*	4159	27.782	45.3	1.17	30.3	27.24	460.65	3.34*	1527.
4241	1.53	34.691	4168	27.782	45.4	1.18	30.3	27.28	462.46	3.34	1527.

## INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	D	EN		
0	5.54	32.716	0	25.829	217.8	5.54	217.8	.00	•00	7.20	1470.
10	5.47	32.716	10	25.837	217.1	5.47	217.0	•22	•01	7.24	1470.
20	5.52	32.718	20	25.833	217.6	5.51	217.4	.43	.04	7.21	1470.
30	5.49	32.722	30	25.840	217.1	5.49	216.8	•65	•10	7.21	1470.
50	5.39	32.727	5 Ó	25.856	215.8	5.38	215.2	1.09	•28	7.24	1470.
<b>7</b> 5	5.25	32.743	75	25.884	213.4	5.25	212.6	1.62	•62	7.23	1470.
100	4.76	32.776	99	25.964	205.8	4.75	204.9	2.15	1.09	7.23	1469.
125	4.59	33.401	124	26.477	157.4	4.58	156.2	2.61	1.61	5.09	1469.
150	4.59	33.722	149	26.732	133.5	4.58	132.0	2.97	2.11	3.80	1470.
175	4.35	33.789	174	26.810	126.3	4.34	124.6	3.29	2.64	3.20	1470.
200	4.12	33.813	199	26.854	122.3	4.10	120.4	3.60	3.24	2.81	1469.
225	4.01	33.840	224	26.886	119.3	4.00	117.3	3.90	3.89	2.52	1469.
250	3.94	33.866	248	26.914	116.8	3.92	114.6	4.19	4.61	2.28	1469.
300	3.86	33.924	298	26.968	112.1	3.84	109.5	4.77	6.21	1.83	1470.
400	3.80	34.052	397	27.075	102.8	3.77	99.3	5.84	10.04	1.28	1471.
500	3.70	34.142	496	27.158	95.7	3.66	91.4	6.83	14.58	.93	1473.
600	3.47	34.200	595	27.226	89.8	3.43	84.9	7.76	19.77	.84	1473.
700	3.30	34.260	694	27.290	84.2	3.25	78.8	8.63	25.53	.72	1474.
800	3.16	34.314	793	27.346	79.4	3.10	73.4	9.44	31.78	.62	1475.
900	2.98	34.355	892	27.395	75.1	2.92	68.7	10.22	38.47	.60	1476.
1000	2.82	34.391	990	27.438	71.3	2.75	64.6	10.95	45.54	•59	1477.
1200	2.61	34.445	1188	27.499	66.2	2.53	58.7	12.32	60.95	.64	1480.
1500	2.29	34.517	1484	27.584	58.8	2.19	50.6	14.18	86.56	.83	1484.
2000	1.95	34.589	1975	27.669	51.6	1.81	42.3	16.94	135.70	1.40	1491.
2500	1.72	34.634	2466	27.722	47.3	1.55	37.0	19.41	192.31	2.10	1498.
3000	1.60	34.662	2957	27.753	45.2	1.37	33.8	21.71	256.79	2.64	1506.
3500	1.53	34.677	3445	27.771	44.4	1.26	31.8	23.94	330.71	2.99	1514.
4000	1.51	34.677	3934	27.772	45.5	1.19	31.4	26.18	416.21	3.26	1523.
4100	1.52	34.678	4031	27.772	45.8	1.18	31.3	26.64	435.04	3.31	1524.
4200	1.52	34.686	4128	27.778	45.5	1.17	30.6	27.09	454.42	3.33	1526.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 42 DATE 5/ 5/77 GMT 17.7
POSITION 50- .0 N. 145- .0 W STATION P
HYDROGRAPHIC CAST DATA

OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	ΟχΥ	SOUND
				T			(THETA)	D	EN		
0	5.54	32.716	0	25.829	217.8	5.54	217.8	•00	• 0 0	7.20	1470.
10	5.47	32.716	10	25.837	217.1	5.47	217.0	•22	•01	7.24	1470.
21	5.52	32.718	21	25.833	217.7	5.52	217.4	•46	• 05	7.21	1470.
31	5.49	32.723	31	25.841	217.0	5.49	216.7	•68	•11	7.20	1471.
51	5.38	32.727	51	25.857	215.7	5.38	215.2	1.11	•29	7.24	1470.
78	5.24	32.744	77	25.886	213.2	5.23	212.3	1.68	•66	7.23	1470.
103	4.71	32.779	102	25.972	205.1	4.70	204.1	2.20	1 • 1 4	7.24	1469.
129	4.57	33.497	128	26.556	150.0	4.56	148.7	2.67	1.69	4.76	1469.
154	4.59	33.762	153	26.763	130.6	4.58	129.0	3.02	2.20	3.63	1470.
179	4.31	33.794	178	26.819	125.5	4.30	123.8	3.34	2.74	3.12	1469.
204	4.08	33.817	203	26.861	121.6	4.07	119.7	3.65	3.35	2.74	1469.
256	3.92	33.872	254	26.921	116.3	3.90	114.0	4.26	4.78	2.22	1469.
306	3.85	33.931	304	26.975	111.6	3.83	108.9	4.84	6.43	1.78	1470.
407	3.80	34.060	404	27.082	102.2	3.77	98.6	5.91	10.34	1.25	1471.
507	3.69	34.148	503	27.163	95.3	3.65	90.9	6.90	14.93	.91	1473.
609	3.45	34.205	604	27.232	89.3	3.41	84.3	7.84	20.28	.83	1473.
806	3.15	34.317	799	27.349	79.1	3.09	73.1	9.50	32.20	.61	1476.
999	2.82	34.391	989	27.438	71.3	2.75	64.6	10.94	45.45	• 59	1477.
1193	2.62	34.443	1181	27.497	66.4	2.54	58.9	12.28	60.40	.63	1480.
1491	2.30	34.516	1475	27.582	58.9	2.20	50.7	14.13	85.79	.82	1483.
1997	1.95	34.589	1973	27.668	51.6	1.81	42.3	16.93	135.42	1.40	1490.
2512	1.72	34.635	2478	27.723	47.2	1.54	36.9	19.47	193.72	2.11	1498.
3027	1.59	34.663	2983	27.755	45.1	1.37	33.6	21.83	260.55	2.66	1506.
3541	1.52	34.678	3485	27.772	44.4	1.25	31.7	24.12	337.20	3.01	1515.
4044	1.51	34.677	3976	27.772	45.6	1.18	31.3	26.38	424.44	3.28	1523.
4143	1.52	34.678	4072	27.772	45.9	1.18	31.3	26.83	443.25	3.33	1525.
4232	1.52	34.690*	4159	27.782	45.3	1.17	30.3	27.24	460.65	3.34*	
4241	1.53	34.691	4168	27.782	45.4	1.18	30.3	27.28	462.46	3.34	1527.

## INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	D	EN		
0	5.54	32.716	0	25.829	217.8	5.54	217.8	.00	•00	7.20	1470.
10	5.47	32.716	10	25.837	217.1	5.47	217.0	•22	.01	7.24	1470.
20	5.52	32.718	20	25.833	217.6	5.51	217.4	.43	• 04	7.21	1470.
30	5.49	32.722	30	25.840	217.1	5.49	216.8	•65	•10	7.21	1470.
50	5.39	32.727	5 Ó	25.856	215.8	5.38	215.2	1.09	•28	7.24	1470.
<b>7</b> 5	5.25	32.743	<b>7</b> 5	25.884	213.4	5.25	212.6	1.62	•62	7.23	1470.
100	4.76	32.776	99	25.964	205.8	4.75	204.9	2.15	1.09	7.23	1469.
125	4.59	33.401	124	26.477	157.4	4.58	156.2	2.61	1.01	5.09	1469.
150	4.59	33.722	149	26.732	133.5	4.58	132.0	2.97	2.11	3.80	1470.
175	4.35	33.789	174	26.810	126.3	4.34	124.6	3.29	2.64	3.20	1470.
200	4.12	33.813	199	26.854	122.3	4.10	120.4	3.60	3.24	2.81	1469.
225	4.01	33.840	224	26.886	119.3	4.00	117.3	3.90	3.89	2.52	1469.
250	3.94	33.866	248	26.914	116.8	3.92	114.6	4.19	4.61	2.28	1469.
300	3.86	33.924	298	26.968	112.1	3.84	109.5	4.77	6.21	1.83	1470.
400	3.80	34.052	397	27.075	102.8	3.77	99.3	5.84	10.04	1.28	1471.
500	3.70	34.142	496	27.158	95.7	3.66	91.4	6.83	14.58	.93	1473.
600	3.47	34.200	595	27.226	89.8	3.43	84.9	7.76	19.77	.84	1473.
700	3.30	34.260	694	27.290	84.2	3.25	78.8	8.63	25.53	.72	1474.
800	3.16	34.314	793	27.346	79.4	3.10	73.4	9.44	31.78	.62	1475.
900	2.98	34.355	892	27.395	75.1	2.92	68.7	10.22	38.47	.60	1476.
1000	2.82	34.391	990	27.438	71.3	2.75	64.6	10.95	45.54	•59	1477.
1200	2.61	34.445	1188	27.499	66.2	2.53	58.7	12.32	60.95	.64	1480.
1500	2.29	34.517	1484	27.584	58 • 8	2.19	50.6	14.18	86.56	.83	1484.
2000	1.95	34.589	1975	27.669	51.6	1.81	42.3	16.94	135.70	1.40	1491.
2500	1.72	34.634	2466	27.722	47.3	1.55	37.0	19.41	192.31	2.10	1498.
3000	1.60	34.662	2957	27.753	45.2	1.37	33.8	21.71	256.79	2.64	1506.
3500	1.53	34.677	3445	27.771	44.4	1.26	31.8	23.94	330.71	2.99	1514.
4000	1.51	34.677	3934	27.772	45.5	1.19	31.4	26.18	416.21	3.26	1523.
4100	1.52	34.678	4031	27.772	45.8	1.18	31.3	26.64	435.04	3.31	1524.
4200	1.52	34.686	4128	27.778	45.5	1.17	30.6	27.09	454.42	3.33	1526.



Results of STP Observations

(P-77-3)

)

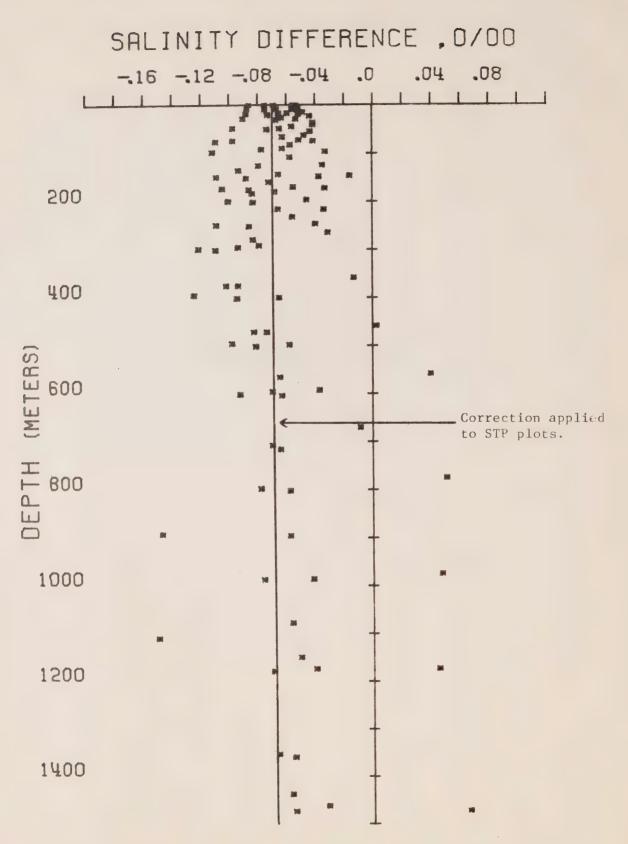


Figure 5. Salinity difference between hydro data and STP. P-77-3.

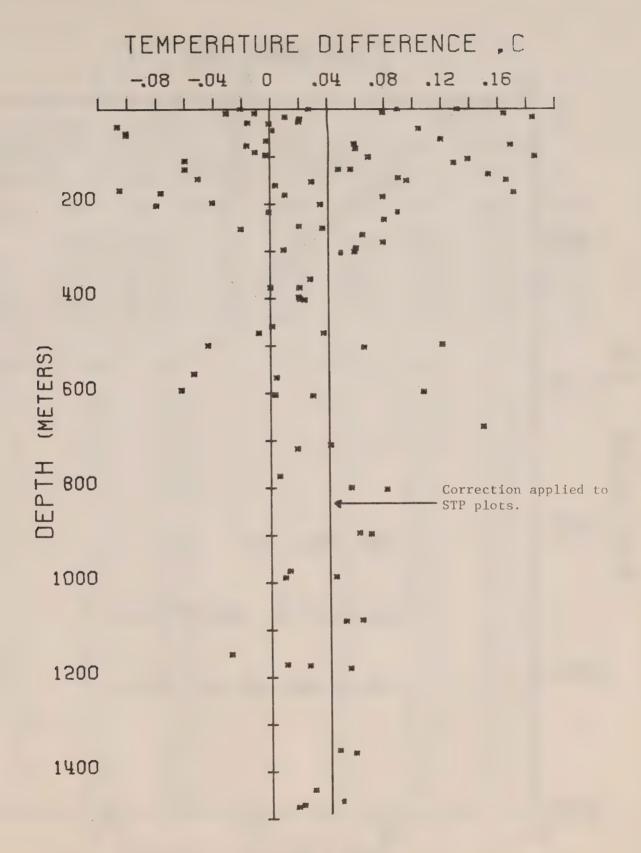
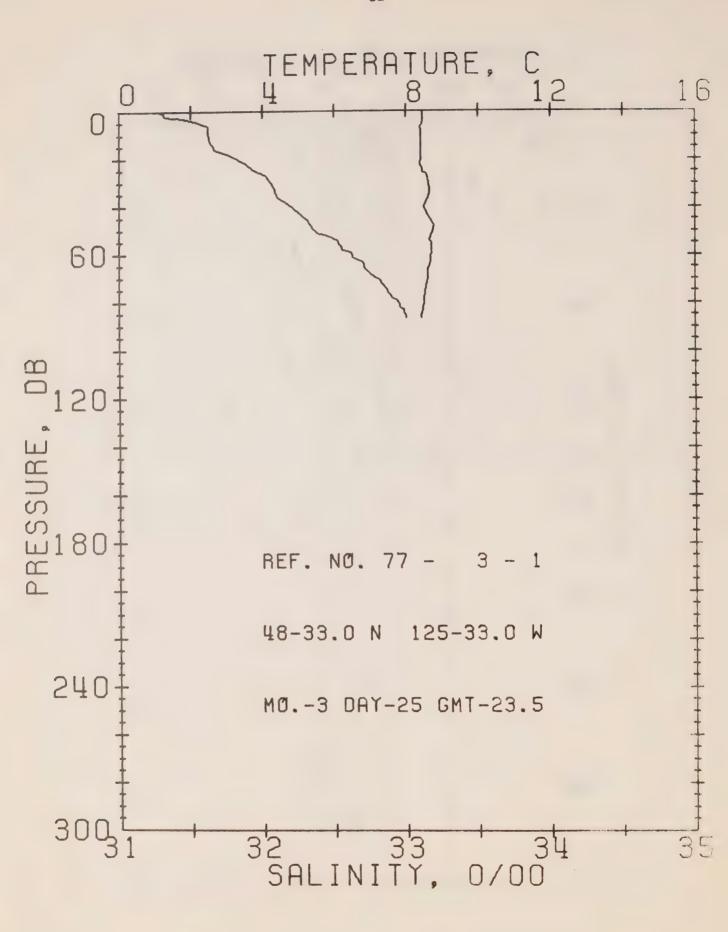


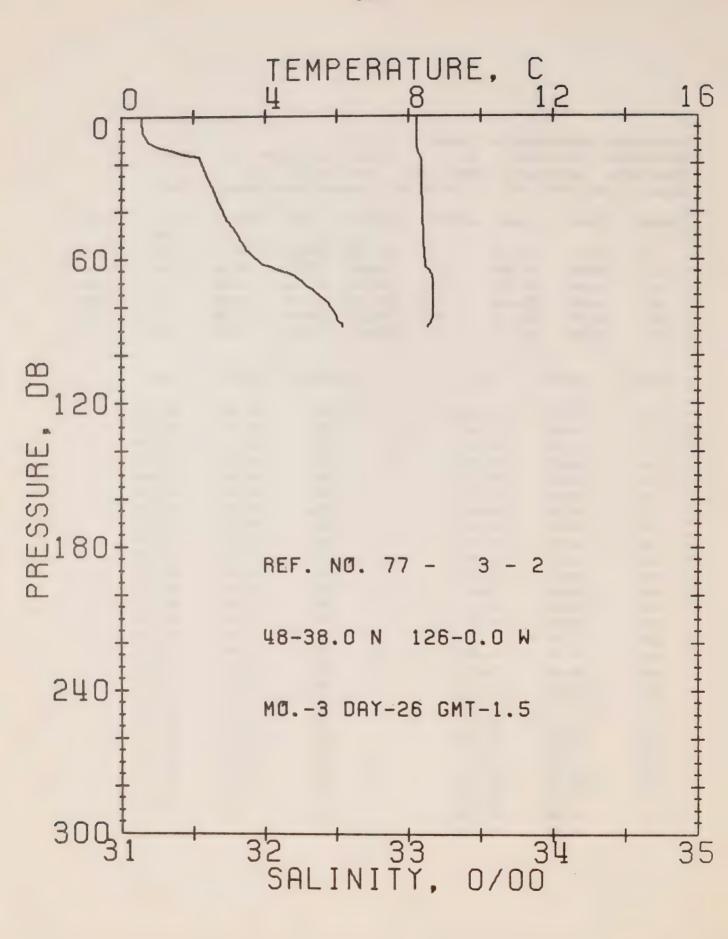
Figure 6. Temperature difference between hydro data and STP. P-77-3.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 1 DATE 25/ 3/77 STATION 1
POSITION 48-33.0N, 125-33.0W GMT 23.5
RESULTS OF STP CAST 53 POINTS TAKEN FROM ANALOG TRACE

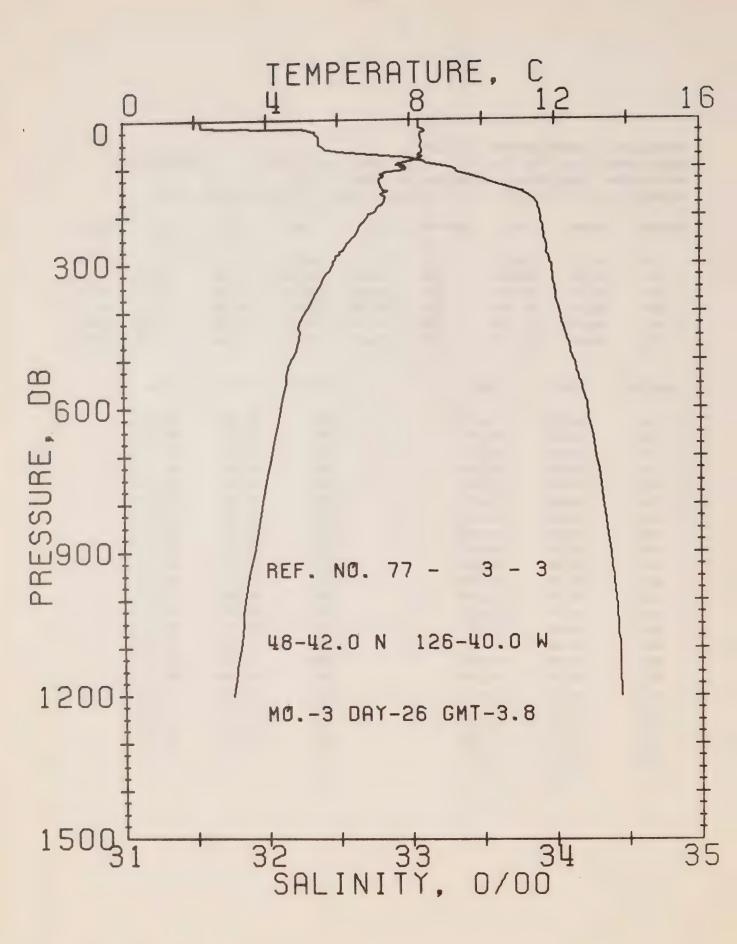
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT. EN	CAUDS
C	8.49	31.29	0	24.32	361.6	0.0	0.0	1480.
10	8.43	31.62	10	24.59	336.3	0.34	0.02	1480.
20	8.44	31.83	20	24.75	321.2	0.68	0.07	1481.
30	8.65	32.06	30	24.90	307.2	0.99	0.15	1482.
50	8.77	32.36	50	25.12	286.6	1.58	0.39	1483.
75	8.54	32.87	75	25.55	246.2	2.24	0.81	1483.

DEPTH	TEMP	SAL	DEPTH	TEMP	SAL
0.	8.49	31.29	47.	8.75	32.33
1.	8.49	31.31	48.	8.79	32.34
2.	8.49	31.32	49.	8.78	32.35
3.	8.48	31.45	51.	8.76	32.38
4.	8.47	31.53	52.	8.70	32.46
6.	8.46	31.62	54.	8.67	32.52
7.	8.39	31.62	55•	8.72	32.53
8.	8.43	31.62	58.	8.71	32.56
9.	8.43	31.62	59.	8.71	32.62
12.	8.43	31.63	61.	8.70	32.63
14 •	8.43	31.65	62.	8.69	32.67
16.	8.43	31.67	63.	8.68	32.70
18.	8.43	31.77	65.	8.65	32.71
20.	8.44	31.83	66.	8.61	32.72
22.	8.41	31.89	68•	8.61	32.75
24.	8.46	31.93	70.	8.60	32.81
25.	8.49	31.96	73.	8.57	32.85
26.	8.55	32.00	76.	8.53	32.88
27.	8.59	32.02	78.	8.52	32.91
30 •	8.65	32.06	79.	8.51	32.94
33.	8.67	32.09	80•	8.50	32.45
34 •	8.67	32.09	82 •	8.48	32.97
36.	8.64	32.11	83.	8.47	32.99
38.	8.56	32.16	84.	8.46	32.99
40.	8.50	32.21	85•	8.44	33.00
43.	8.59	32.26	86.	8.44	33.00
45.	8.69	32.31			
100					



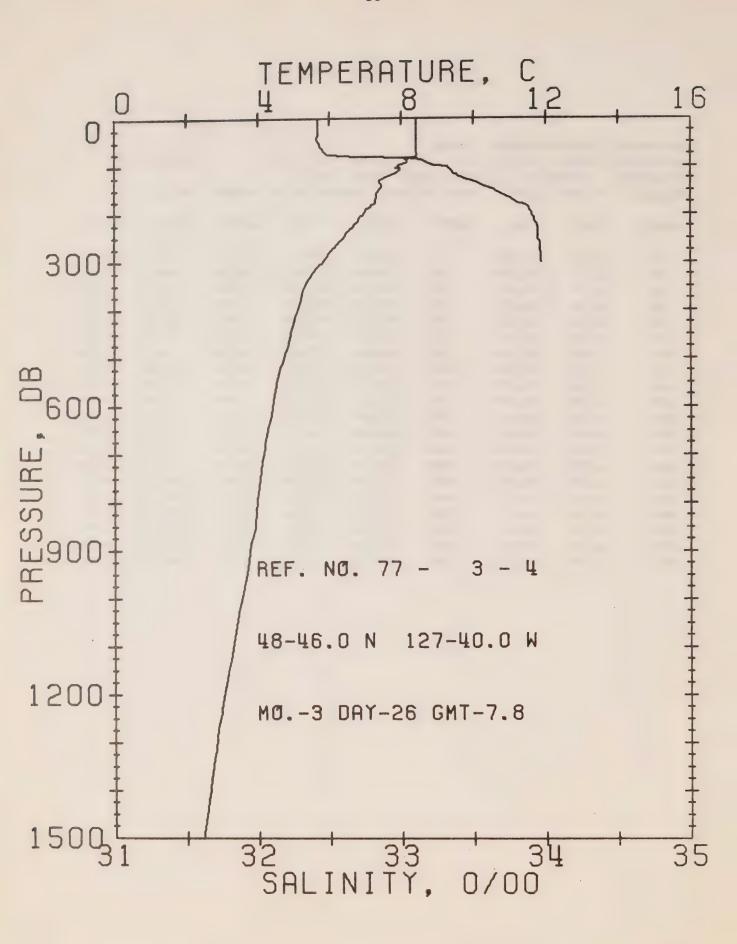
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NG. 77- 3- 2 DATE 26/ 3/77 STATION 2
POSITION 48-38.0N, 126- 0.0W GMT 1.5

RESULTS	OF STP	CAST	43 PU	INTS TAK	EN FROM	ANALUG	TRACE	
PRESS	TEMP	SAL D	EPTH	SIGMA	SVA	DELTA	POT.	SJUND
PRESS	1 Cm latt.	JAL 0		T		D	EN	
0	8.23	31.14	С	24.24	369.1	0.0	0 • 0	1479.
10	8.24	31.18	10	24.27		0.37	0.02	1479.
20	8.37	31.56	20	24.55	340.1	0.72	0.07	1480.
30	8.37	31.63	30	24.60	335.0	1.06	0.16	1480.
50	8.42	31.81	50	24.74	322.9	1.72	0.43	1481.
75	8.69	32.38	75	25.14	284.8	2.48	0.91	1483.
DEPTH	TEMP	SAL		D	EPTH	TEMP	SAL	
0 •	8.23	31.14	4		57.	8.45	31.89	
2.	8.23	31.14	4		59.	8.46		
7.	8.23	31.15	5		60.	8.47	31.95	
8.	8.23	31.10	5		62.	8.48	31.98	
11.	8.24	31.19	9		63.	8.49	32.04	
13.	8.25	31.20	6		64.	8.55	32.08	
14.	8.26				66.	8.67	32.19	
15.	8.27	31.3	3		69.	8.68	32.25	
16.	8.31	31.4	5		71 •	8.69	32.29	
17.	8.34	31.54	4		72.	8.70	32.33	
18.	8.37				73.	8.70	32.34	
26.	8.37				76.	8.69	32.40	
31.	8.37				77.	8.69	32.42	
35 •	8.40				78.	8.69	32.46	
40.	8.41				80.	8.68	32.49	
42.	8.41				82.	8.69	32.50	
44 .	8.41				84 •	8.65	32.51	
47.	8 • 42				85.	8.63	32.52	
49.	8.42				86.	8.59	32.54	
52.	8 • 4 3					8.54	32.54	
53.	8.43				88.	0.04	32.04	
56.	8.45	31.8	1					



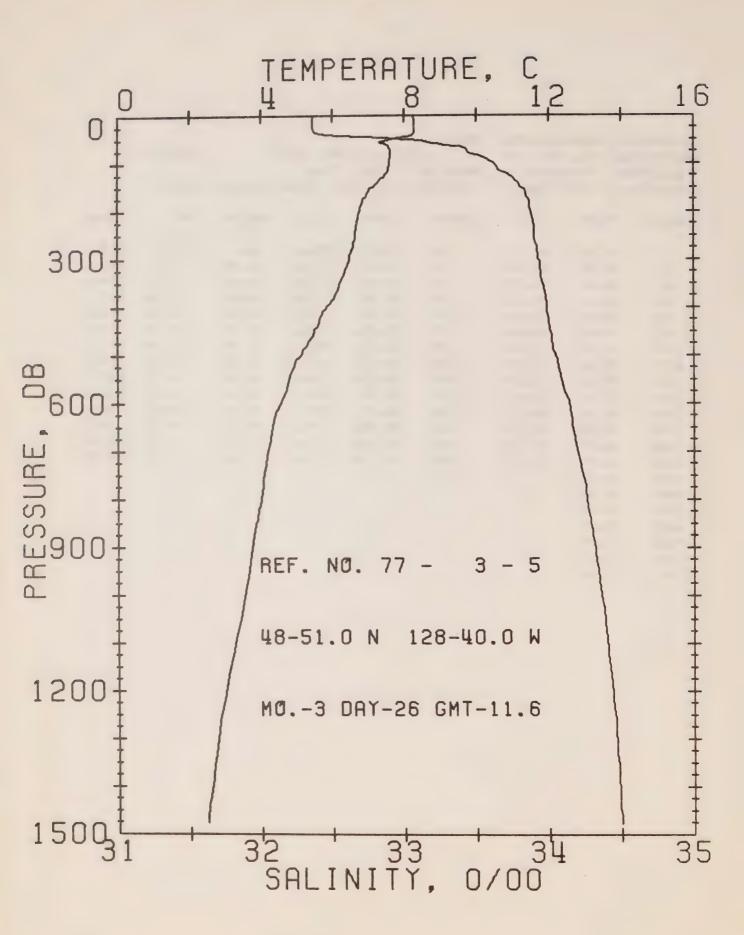
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 3 DATE 26/ 3/77 STATION 3
POSITION 48-42.0N, 126-40.0W GMT 3.8
RESULTS OF STP CAST 167 POINTS TAKEN FRUM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	CANCS
				T		D	EN	
0	8.27	31.55	0	24.55	339.1	0 • C	0.0	1479.
10	8.27	31.55	10	24.55	339.5	0.34	0.02	1480.
20	8.32	32.26	20	25.10	287.5	0.67	0.07	1481.
30	8.30	32.35	30	25.18	280.7	0.95	0.14	1481.
50	8.33	32.37	50	25.19	279.9	1.51	0.37	1482.
75	8.34	32.91	75	25.61	240.3	2.18	0.80	1483.
100	7.87	33.30	99	25.98	205.0	2.74	1.29	1482.
125	7.15	33.52	124	26.26	179.3	3.22	1.84	1480.
150	7.38	33.78	149	26.43	163.1	3.64	2.43	1481.
175	7.25	33.89	174	26.53	153.8	4.04	3.08	1481.
200	6.82	33.90	199	26.60	147.4	4.41	3.80	1480.
225	6.57	33.92	223	26.65	143.3	4.78	4.59	1480.
250	6.37	33.93	248	26.69	140.1	5.13	5.45	1479.
300	5.87	33.97	298	26.78	131.2	5.81	7.34	1478.
400	5.08	34.03	397	26.93	118.5	7.06	11.79	1477.
500	4.67	34.13	496	27.04	107.8	8.19	16.98	1477.
600	4.38	34.22	595	27.15	98.2	9.22	22.72	1477.
800	3.86	34.33	793	27.30	85.7	11.05	35.77	1478.
1000	3.36	34.41	991	27.41	75.7	12.66	50.51	1480.
1200	3.02	34.45	1188	27.47	70.5	14.12	66.86	1482.



DFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 4 DATE 26/ 3/77 STATION 4
POSITION 48-46.0N. 127-40.0W GMT 7.8
RESULTS OF STP CAST 185 POINTS TAKEN FROM ANALOG TRACE

1	PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PCT.	SOUND
					Т		D	EN	
	0	8.43	32.42	0	25.21	276.6	0.0	0.0	1481.
	10	8.44	32.42	10	25.21	277.1	0.28	0.01	1481.
	20	8.44	32.42	20	25.21	277.3	0.55	0.06	1482.
	30	8.44	32.42	30	25.21	277.4	0.83	0.13	1482.
	50	8.44	32.42	50	25.21	277.9	1.39	0.35	1482.
	75	8.45	32.48	75	25.26	273.8	2.08	0.79	1483.
	100	7.92	33.28	99	25.96	207.3	2.66	1.31	1482.
	125	7.52	33.43	124	26.13	190.9	3.16	1.88	1481.
	150	7.38	33.65	149	26.33	173.0	3.61	2.51	1481.
	175	7.28	33.80	174	26.46	160.9	4.03	3.20	1481.
	200	6.96	33.91	199	26.59	148.8	4.41	3.93	1481.
	225	6.67	33.94	223	26.65	143.1	4.77	4.72	1480.
	250	6.39	33.95	248	26.70	139.0	5.12	5.57	1479.
	300	5.81	33.97	298	26.79	130.8	5.80	7.46	1478.
	400	5.10							
	500	4.73	•	·					
	600	4.40							
	800	3.97							
	1000	3.52							
	1200	3.03							
	1500	2.44							

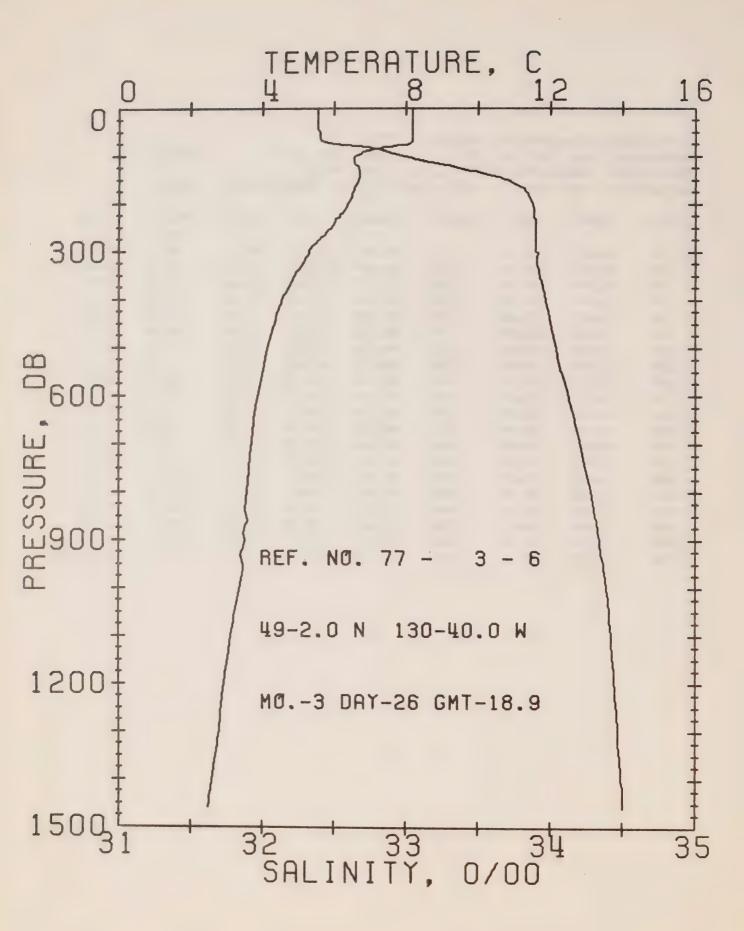


OFFSHORE OCEANCGRAPHY GROUP

REFERENCE NO. 77- 3- 5 DATE 26/ 3/77 STATION 5
POSITION 48-51.0N. 128-40.0W GMT 11.6

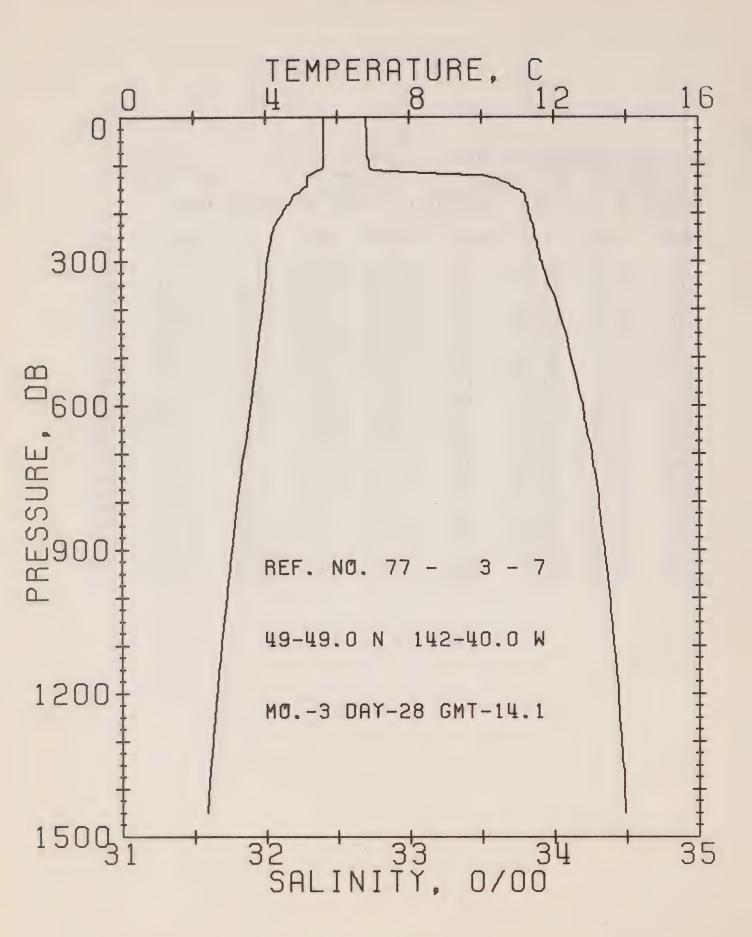
RESULTS OF STP CAST 163 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	8.27	32.37	O	25.20	278.1	0.0	0.0	1481.
10	8.28	32.36	10	25.19	279.3	0.28	0.01	1481.
20	8.28	32.36	20	25.19	279.4	0.56	0.06	1481.
30	8.29	32.37	30	25.19	279.2	0.84	0.13	1481.
50	7.63	33.02	50	25.80	221.8	1.36	0.34	1480.
75	7.62	33.44	75	26.13	190.8	1.87	0.66	1481.
100	7.59	33.62	99	26.28	177.1	2.32	1.07	1481.
125	7.48	33.73	124	26.38	168.2	2.76	1.56	1481.
150	7.12	33.81	149	26.49	157.5	3.17	2.13	1480.
175	6.85	33.86	174	26.57	150.5	3.55	2.77	1480.
200	6.75	33.88	199	26.59	148.5	3.92	3.48	1480.
225	6.68	33.90	223	26.62	146.5	4.29	4.28	1480.
250	6.64	33.90	248	26.63	145.9	4.66	5.17	1480.
300	6.47	33.93	298	26.67	142.2	5.38	7.19	1480.
400	5.83	33.99	397	26.80	130.8	6.75	12.00	1480.
500	5.12	34.05	496	26.93	119.0	8.00	17.81	1478.
600	4.53	34.14	595	27.07	105.9	9.12	24.09	1478.
800	3.99	34.26	793	27.22	92.8	11.10	38.15	1479.
1000	3.53	34.36	991	27.35	81.3	12.83	54.02	1480.
1200	2.99	34.44	1188	27.46	71.0	14.35	71.02	1482.



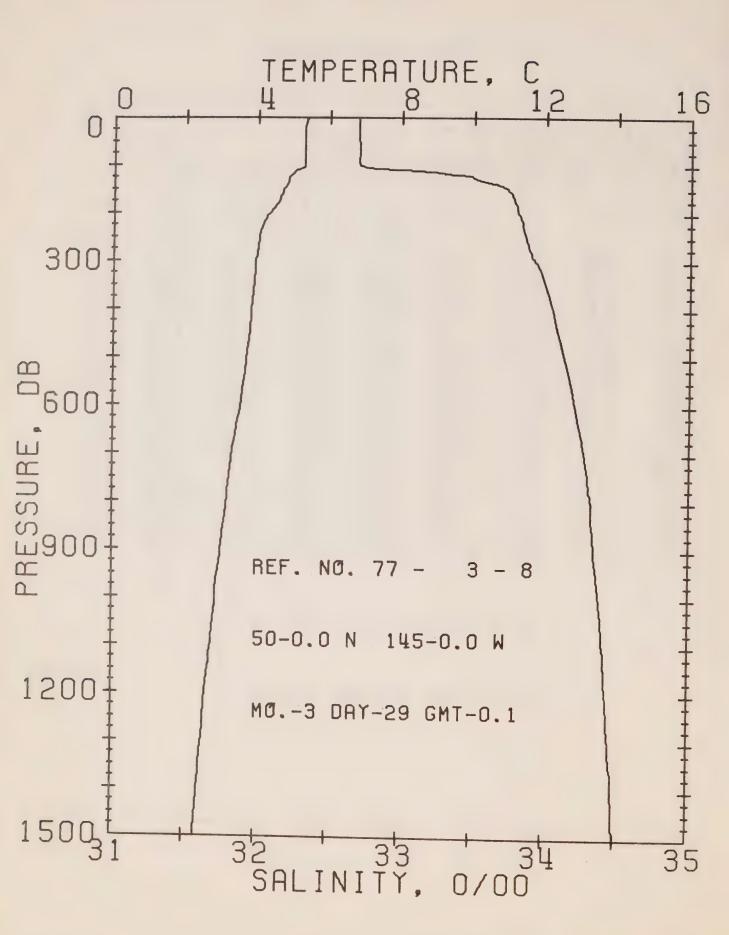
OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 6 DATE 26/ 3/77 STATION 6
PCSITION 49- 2.0N, 130-40.0W GMT 18.9
RESULTS OF STP CAST 179 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				T		D	EN	
0	8.20	32.39	0	25.22	275.6	0.0	0 • C	1480.
10	8.20	32.39	10	25.22	275.9	0.28	0.01	1480.
20	8.20	32.39	20	25.22	276.1	0.55	0.06	1481.
30	8.20	32.39	30	25.22	276.2	0.83	0.13	1481.
50	8.20	32.4C	50	25.23	276.0	1.38	0.35	1481.
75	8.05	32.56	75	25.38	262.2	2.07	0.79	1481.
100	6.60	32.99	99	25.91	211.5	2.64	1.30	1476.
125	6.69	33.37	124	26.21	184.1	3.14	1.86	1478.
150	6.68	33.71	149	26.47	159.3	3.56	2.46	1479.
175	6.52	33.84	174	26.59	148.2	3.95	3.09	1478.
200	6.38	33.88	199	26.64	143.4	4.31	3.79	1478.
225	6.15	33.89	223	26.68	140.1	4.66	4.56	1478.
250	5.92	33.90	248	26.72	136.8	5. C1	5.39	1477.
300	5.30	33.90	298	26.80	129.5	5.67	7.26	1476.
400	4.54	33.97	397	26.94	117.0	6.91	11.65	1474.
500	4.14	34.04	496	27.03	108.3	8.04	16.81	1474.
600	3.87	34.12	595	27.13	99.8	9.08	22.65	1475.
800	3.56	34.28	793	27.28	86.2	10.93	35.84	1477.
1000	3.37	34.39	991	27.39	77.6	.12.58	50.87	1480.
1200	2.93	34.44	1188	27.47	69.8	14.04	67.29	1481.



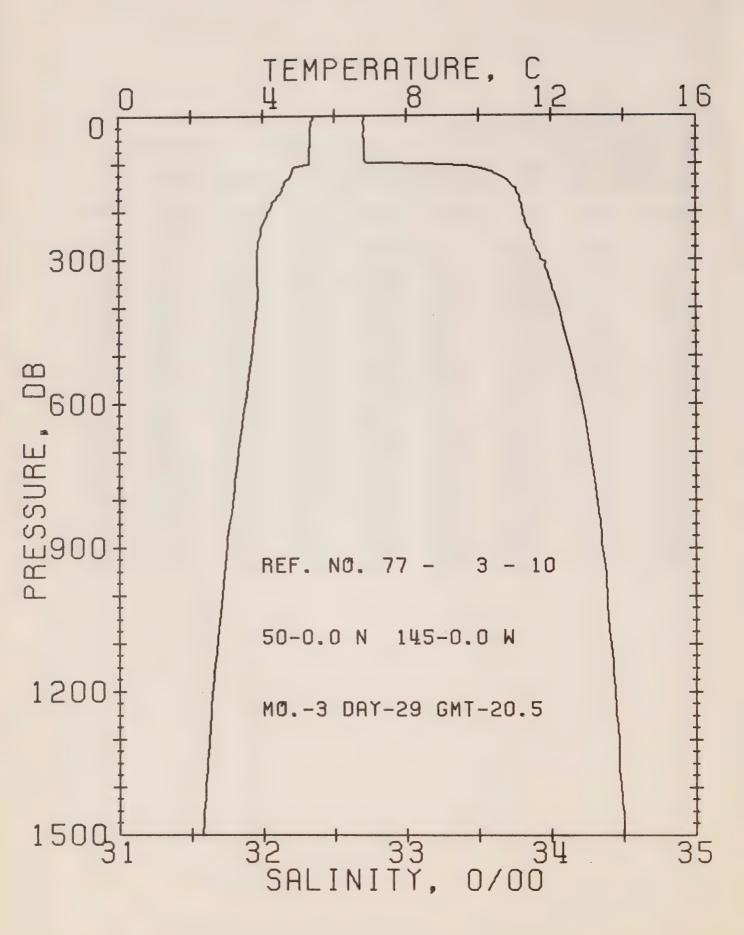
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 7 DATE 28/ 3/77 STATION 12
POSITION 49-49.0N. 142-40.0W GMT 14.1
RESULTS OF STP CAST 144 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
, , _ ,				Т		Ü	EN	
0	5.62	32.70	0	25.81	219.9	0.0	0 • C	147C.
10	5.62	32.70	10	25.81	220.2	0.22	0.01	1471.
20	5.62	32.70	20	25.81	220.3	0.44	0.04	1471.
30	5.63	32.71	30	25.81	219.8	0.60	0.10	1471.
50	5.63	32.71	50	25.81	220.0	1.10	0.28	1471.
75	5.64	32.71	75	25.81	220.3	1.65	0.63	1472.
100	5.63	32.72	99	25.82	219.8	2.20	1.12	1472.
125	5.17	33.56	124	26.54	151.9	2.69	1.68	1472.
150	5.03	33.77	149	26.72	134.8	3.05	2.18	1472.
175	4.70	33.81	174	26.79	128.0	3.38	2.72	1471 .
200	4.47	33.83	199	26.83	124.7	3:69	3.33	1471.
225	4.26	33.86	223	26.88	120.5	4.00	3.99	1470.
250	4.17	33.87	248	26.90	119.1	4.30	4.71	1470.
300	4.05	33.92	298	26.95	114.5	4.88	6.35	1471.
400	3.92	34.03	397	27.05	105.6	5.98	10.27	1472.
500	3.75	34.12	496	27.13	98.2	7.00	14.93	1473.
600	3.58	34.20	595	27.22	91.0	7.95	20.22	1474.
	3.19	34.31	793	27.34	80.1	9.66	32.38	1476.
800	2.89	34.38	990	27.43	72.7	11.18	46.37	1478.
1000	2.62	34.44	1188	27.50	66.8	12.58	61.96	1480.
1200	2002	24044						



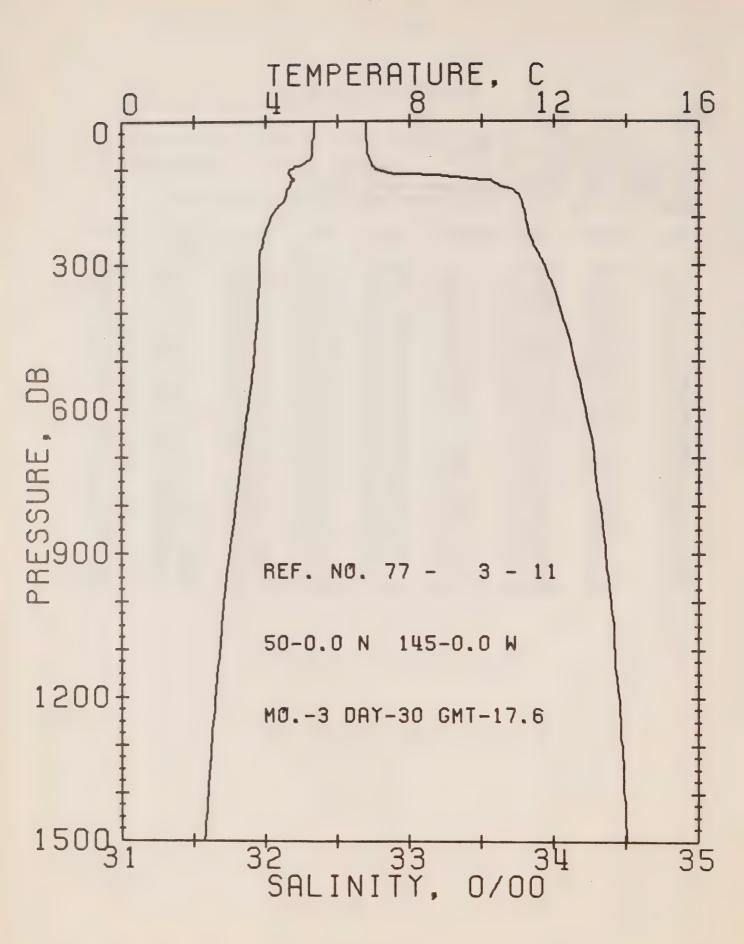
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 8 DATE 29/ 3/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 0.1
RESULTS OF STP CAST 139 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	CELTA	POT.	SJUND	
				Т		D	EN		
0	5.39	32.70	0	25.83	217.3	0.0	0.0	1470.	
10	5.35	32.70	10	25.84	217.2	0.22	0.01	1470.	
20	5.31	32.70	20	25.84	216.8	0.43	0.04	147C.	
30	5.31	32.70	30	25.84	216.9	0.65	0.10	1470.	
50	5.32	32.70	50	25.84	217.0	1.09	0.28	1470.	
75	5.32	32.71	75	25.85	216.7	1.63	0.62	1470.	
100	5.31	32.71	99	25.85	216.9	2.17	1 . 1 1	1471.	
125	4.88	33.51	124	26.53	152.5	2.62	1.62	1471.	
150	4.73	33.74	149	26.73	133.8	2.98	2.12	1471.	
175	4.58	33.79	174	26.79	128.7	3.31	2.66	1471.	
200	4.33	33.81	199	26.83	124.5	3.62	3.27	1470.	
225	4.13	33.84	223	26.88	120.6	3.93	3.93	1470.	
250	4.05	33.87	248	26.90	118.1	4.23	4.65	1470.	
300	3.95	33.94	298	26.97	112.0	4.81	6.27	1470.	
400	3.86	34.05	397	27.07	103.4	5.88	10.09	1472.	
500	3.72	34.13	496	27.15	96.6	6.88	14.68	1473.	
600	3.54	34.21	595	27.23	89.9	7.81	19.89	1474.	
800	3.18	34.33	793	27.36	78.8	9.49	31.81	1476.	
1000	2.88	34.38	990	27.43	72.5	11.01	45.71	1478.	
1200	2.62	34.44	1188	27.49	67.0	12.40	61.30	1480.	
1500	2.31	34.50	1483	27.57	60.3	14.30	87.47	1484.	
1300									



OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 10 DATE 29/ 3/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 20.5
RESULTS OF STP CAST 156 POINTS TAKEN FROM ANALUG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				T		D	EN	
0	5.41	32.71	0	25.84	216.8	0.0	0.0	147C.
10	5.37	32.71	10	25.84	216.8	0.22	0.01	1470.
20	5.35	32.70	20	25.84	216.9	0.43	0.04	147C.
30	5.34	32.71	30	25.85	216.5	0.65	0.10	1470.
50	5.33	32.71	50	25.85	217.0	1.08	0.28	147C.
75	5.32	32.71	75	25.85	216.7	1.63	0.62	147C.
100	5.32	33.15	99	26.20	184.0	2.17	1.10	1471.
125	4.77	33.65	124	26.66	140.7	2.55	1.54	1470.
150	4.55	33.75	149	26.76	131.2	2.89	2.02	1470.
175	4.34	33.79	174	26.81	126.2	3.21	2.55	1470.
200	4.15	33.81	199	26.85	123.0	3.52	3.14	1469.
225	4.00	33.83	223	26.88	120.4	3.83	3.80	1469.
250	3.94	33.87	248	26.92	116.9	4.12	4.52	1469.
300	3.83	33.93	298	26.98	111.4	4.69	6.12	1470.
400	3.82	34.05	397	27.08	102.9	5.76	9.92	1471.
500	3.68	34.14	496	27.16	95.9	6.76	14.47	1472.
600	3.50	34.21	595	27.23	89.3	7.68	19.66	1473.
800	3.15	34.32	793	27.35	79.1	9.36	31.59	1475.
1000	2.84	34.39	990	27.44	71.9	10.86	45.34	1477.
1200	2.57	34.44	1188	27.50	66.2	12.24	60.81	1480.
1500	2.28	34.50	1483	27.57	60.0	14.13	86.73	1484.



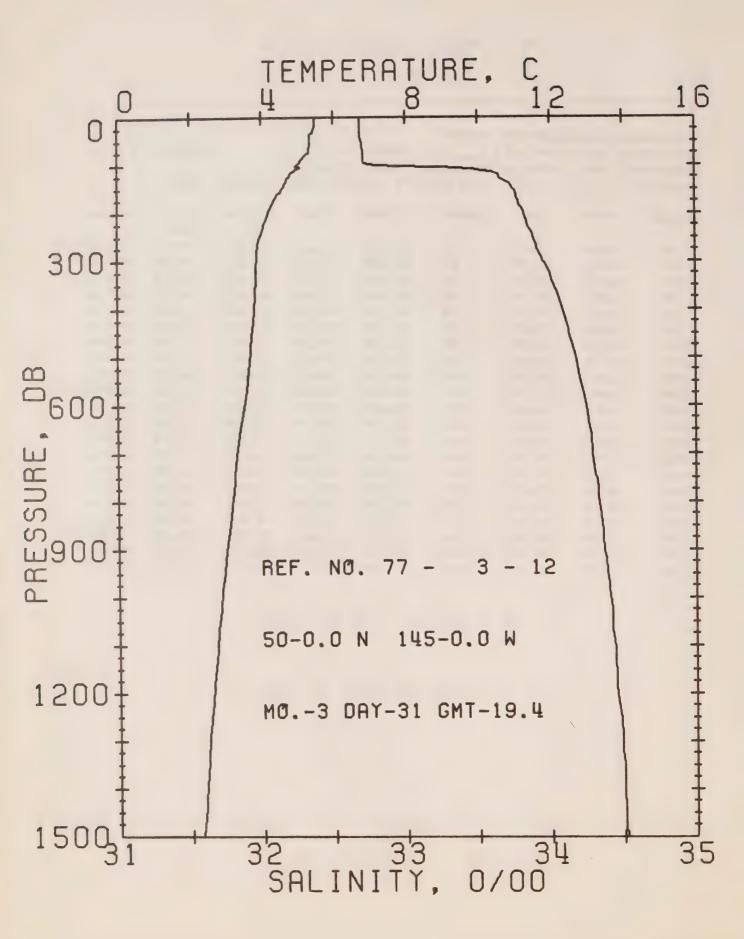
OFFSHORE DCEANOGRAPHY GROUP

REFERENCE NO. 77- 3- 11 DATE 30/ 3/77 STATION P

POSITION 50- 0.0N, 145- 0.0W GMT 17.6

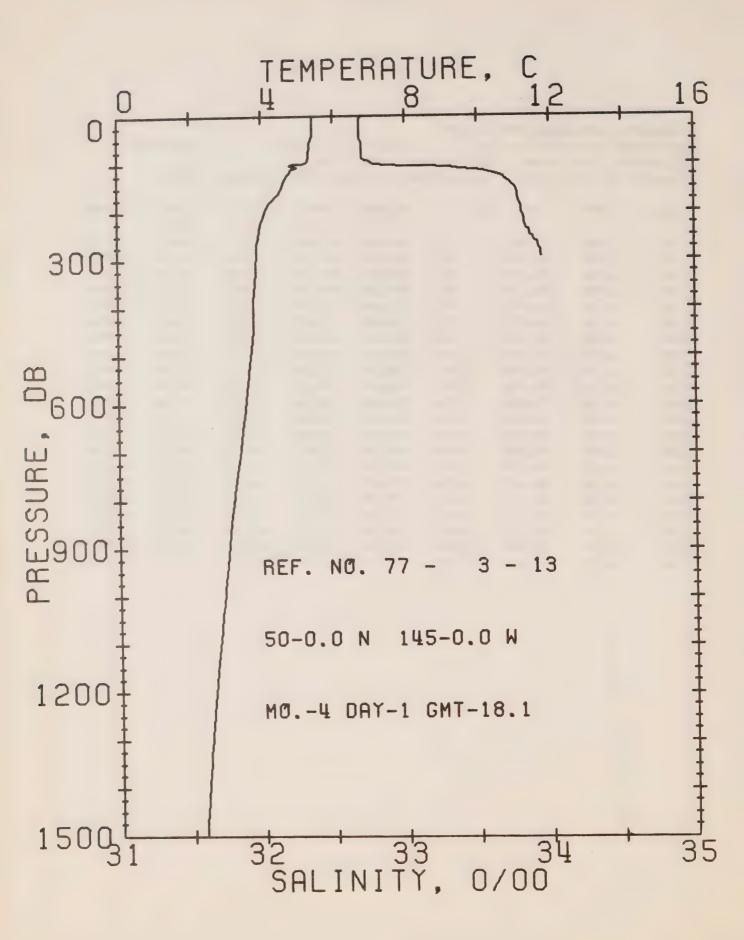
RESULTS OF STP CAST 157 POINTS TAKEN FROM ANALOG TRACE

P	RESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
					Т		D	EN	
	0	5.36	32.71	0	25.85	216.3	0.0	0 • 0	1469.
	10	5.35	32.70	10	25.84	217.2	0.22	0.01	1470.
	20	5.35	32.70	20	25.84	217.3	0.43	0.04	147C.
	30	5.35	32.70	30	25.84	217.4	0.65	0.10	1470.
	50	5.31	32.71	50	25.85	216.4	1.09	0.28	1470.
	75	5.29	32.72	75	25.86	215.7	1.63	0.62	147C.
	100	4.75	32.76	99	25.95	207.1	2.16	1.09	1469.
	125	4.75	33.57	124	26.60	146.2	2.61	1.60	147C.
	150	4.60	33.74	149	26.75	132.1	2.95	2.09	1470.
	175	4.40	33.79	174	26.81	126.8	3.28	2.63	1470.
	200	4.16	33.81	199	26.85	123.0	3.59	3.22	1469.
	225	4. C3	33.82	223	26.87	120.9	3.89	3.88	1469.
	250	3.95	33.86	248	26.91	117.8	4.19	4.61	1469.
	300	3.84	33.94	298	26.98	110.8	4.76	6.21	1470.
	400	3.79	34.06	397	27.08	102.4	5 • 83	9.99	1471.
	500	3.68	34.15	496	27.16	95.3	6.81	14.51	1473.
	600	3.51	34.22	595	27.24	88.6	7.73	19.67	1474.
	800	3.17	34.32	793	27.35	78.8	9.40	31.52	1476.
1	000	2.84	34.40	990	27.45	70.9	10.90	45.23	1478.
1	200	2.61	34.46	1188	27.51	65.2	12.26	60.52	1480.
1	1500	2.30	34.51	1483	27.58	59.5	14.13	86.16	1484.



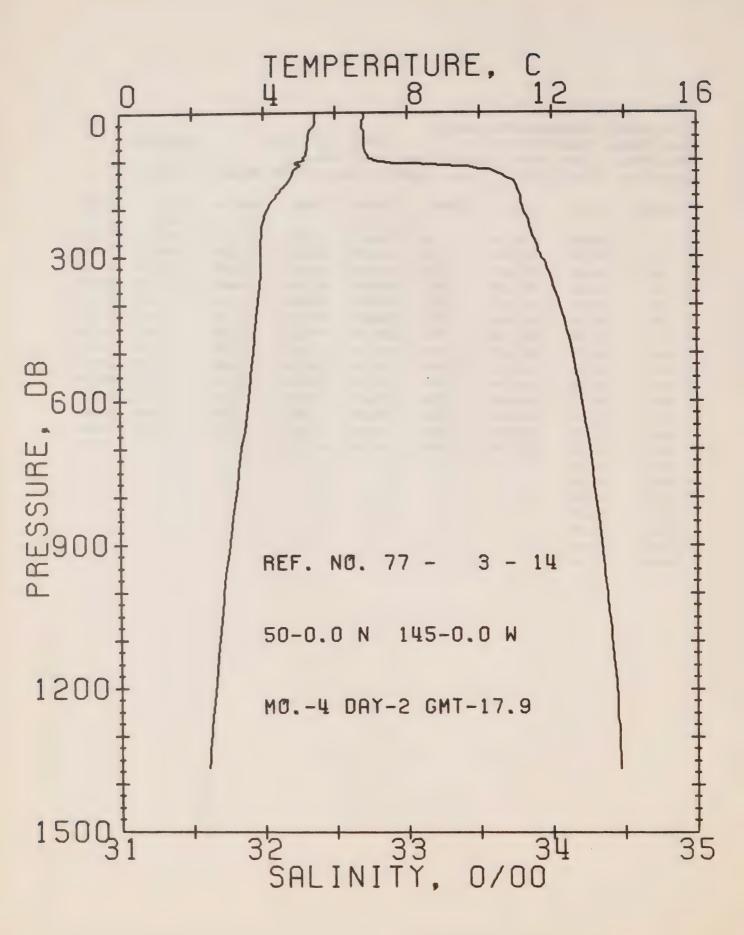
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 12 DATE 31/ 3/77 STATION P
POSITION 50- C.ON, 145- O.OW GMT 19.4
RESULTS OF STP CAST 138 PGINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				T		D	EN	
0	5.49	32.69	0	25.82	219.2	0.0	0.0	1470.
10	5.49	32.69	10	25.82	219.5	0.22	0.01	1470.
20	5.48	32.69	20	25.82	219.4	0.44	0.04	1470.
30	5.44	32.69	30	25.82	219.2	0.66	0.10	1470.
50	5.35	32.70	50	25.84	217.9	1.09	0.28	1470.
75	5.31	32.71	75	25.85	216.7	1.64	0.62	1470.
100	4.99	32.80	99	25.96	206.6	2.17	1.10	1470.
125	4.75	33.65	124	26.66	140.5	2.57	1.55	147C.
150	4.58	33.74	1 4'9	26.75	132.0	2.91	2.03	147C.
175	4.32	33.78	174	26.81	126.7	3.23	2.56	1469.
200	4.18	33.82	199	26.85	122.4	3.54	3.16	1469.
225	4.06	33.84	223	26.88	119.8	3.85	3.81	1469.
250	3.95	33.88	248	26.93	115.8	4.14	4.52	1469.
300	3.86	33.95	298	26.99	110.3	4.70	6.10	1470.
400	3.80	34.09	397	27.10	100.3	5.75	9.83	1471.
500	3.66	34.17	496	27.19	93.1	6.72	14.25	1472.
600	3.50	34.24	595	27.26	86.9	7.62	19.30	1474.
800	3.16	34.33	793	27.36	77.9	9.25	30.97	1475.
1000	2.84	34.41	990	27.45	70.3	10.74	44.53	1478.
1200	2.60	34.45	1188	27.51	65.4	12.09	59.70	1480.
1500	2.30	34.52	1483	27.59	58.8	13.94	85.08	1434.



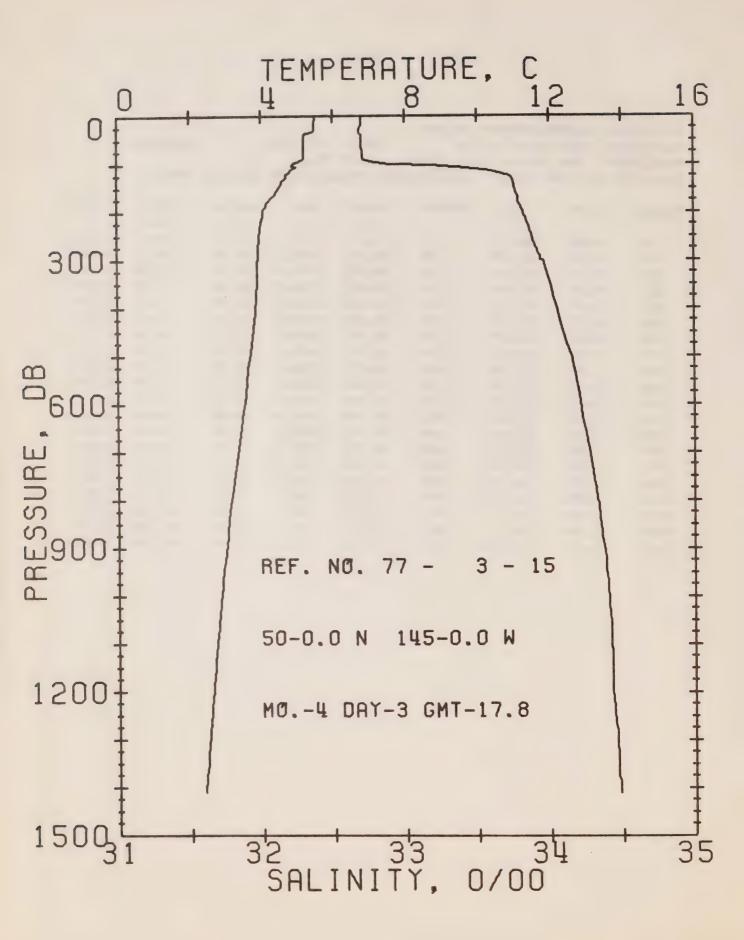
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 13 DATE 1/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 18.1
FESULTS OF STP CAST 144 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	5.45	32.70	0	25.83	218.0	0.0	0.0	147C.
10	5.44	32.69	10	25.82	218.9	0.22	0.01	1470.
20	5.44	32.69	20	25.82	219.0	0.44	0.04	147C.
30	5.44	32.69	30	25.82	219.1	0.66	0.10	1470.
50	5.40	32.69	50	25.83	218.8	1.09	0.28	1470.
75	5.34	32.70	75	25.84	217.7	1.64	0.63	1471.
100	5.20	32.79	99	25.93	209.6	2.18	1.11	1471.
125	4.73	33.67	124	26.67	139.1	2.58	1.57	1470.
150	4.56	33.77	149	26.77	130.0	2.92	2.04	1470.
175	4.31	33.79	174	26.81	126.1	3.24	2.57	1469.
200	4.10	33.81	199	26.86	122.4	3.55	3.16	1469.
225	3.99	33.83	223	26.88	119.9	3.85	3.81	1469.
250	3.92	33.88	248	26.93	116.0	4.15	4.53	1469.
300	3.86	33.95	298	26.99	110.3	4.71	6.10	1470.
400	3.76							
500	3.68							
600	3.54							
800	3.17							
1000	2.89							
1200	2.61							
1500	2.31							



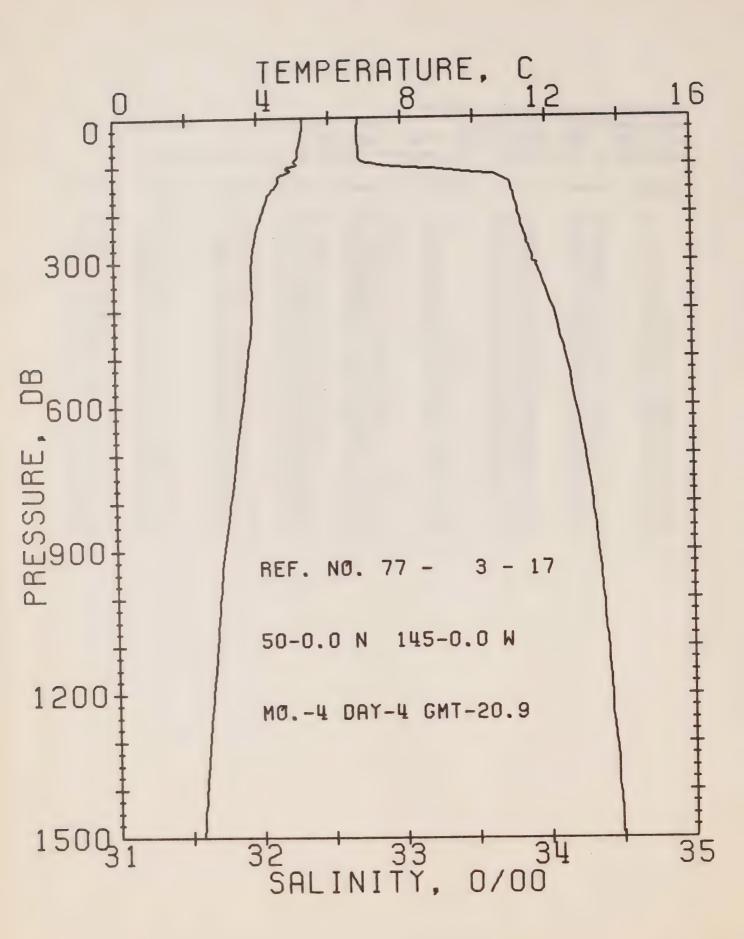
DEFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 14 DATE 2/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.9
RESULTS OF STP CAST 148 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	5.45	32.70	0	25.83	218.0	0.0	0.0	1470.
10	5.44	32.70	10	25.83	218.1	0.22	0.01	1470.
20	5.43	32.69	20	25.82	218.9	0.44	0.04	1470.
30	5.40	32.69	30	25.83	218.7	0.66	0.10	147C.
50	5.24	32.70	50	25.85	216.4	1.09	0.28	147C.
75	5.22	32.70	75	25.86	216.3	1.63	0.62	1470.
100	5.14	32.77	99	25.92	210.5	2.17	1.10	1470.
125	4.81	33.62	124	26.63	143.5	2.59	1.59	147C.
150	4.61	33.75	149	26.75	132.0	2.94	2.06	1470.
175	4.35	33.79	174	26.81	126.5	3.26	2.60	147C.
200	4 - 11	33.80	199	26.85	123.2	3.57	3.19	1469.
225	3.99	33.84	223	26.89	119.4	3.87	3.85	1469.
250	3.96	33.86	248	26.91	117.5	4.17	4.57	1469.
300	3.91	33.93	298	26.97	112.3	4.74	6.18	1470.
400	3.83	34.06	397	27.08	102.8	5.82	10.00	1471.
500	3.70	34.14	496	27.16	95.8	6.81	14.53	1473.
600	3.55	34.20	595	27.22	90.5	7.74	19.74	1474.
800	3.20	34.30	793	27.33	80.8	9.44	31.88	1476.
1000	2.86	34.38	990	27.43	72.7	10.98	45.92	1478.
1200	2.61	34.44	1188	27.50	66.4	12.37	61.50	1480.



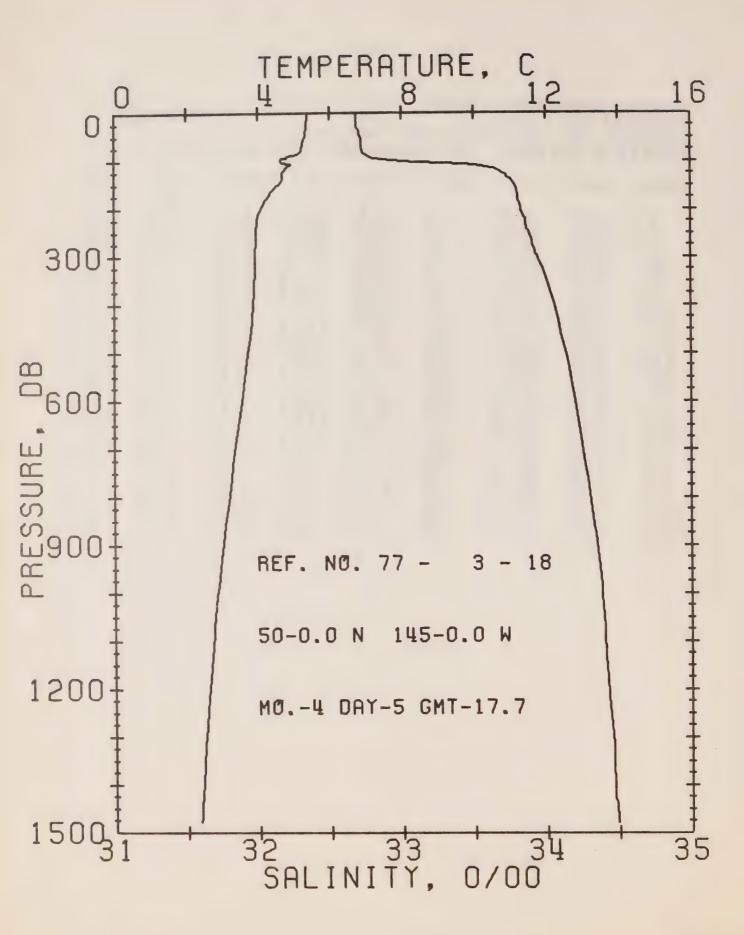
DEFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 15 DATE 3/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.8
RESULTS OF STP CAST 156 POINTS TAKEN FRUM ANALCG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	5.50	32.70	0	25.82	218.5	0.0	0.0	1470.
10	5.50	32.70	10	25.82	218.8	0.22	0.01	1470.
20	5.50	32.70	20	25.82	218.9	0.44	0.04	1470.
30	5.47	32.69	30	25.82	219.5	0.66	0.10	1470.
50	5.20	32.70	50	25.86	215.9	1.09	0.28	1470.
75	5.21	32.71	75	25.86	215.6	1.63	0.62	1470.
100	4.89	32.88	99	26.03	199.5	2.16	1.10	1469.
125	4.70	33.73	124	26.73	134.2	2.55	1.53	1470.
150	4.49	33.76	149	26.78	129.6	2.88	1.99	147C.
175	4.22	33.79	174	26.83	124.9	3.20	2.52	1469.
200	4.05	33.82	199	26.87	121.2	3.50	3.11	1469.
225	4.00	33.85	223	26.90	118.3	3.80	3.76	1469.
250	3.95	33.88	248	26.93	116.0	4.09	4.47	1469.
300	3.91	33.94	298	26.98	111.5	4.66	6.06	1470.
400	3.85	34.05	397	27.07	103.3	5.73	9.85	1471.
500	3.68	34.15	496	27.17	94.9	6.72	14.41	1473.
600	3.52	34.22	595	27.24	89.0	7.64	19.55	1474.
800	3.14	34.33	793	27.36	77.9	9.31	31.44	1475.
1000	2.85	34.41	990	27.45	70.5	10.79	44.96	1478.
1200	2.61	34.43	1188	27.49	67.2	12.16	60.33	1480.



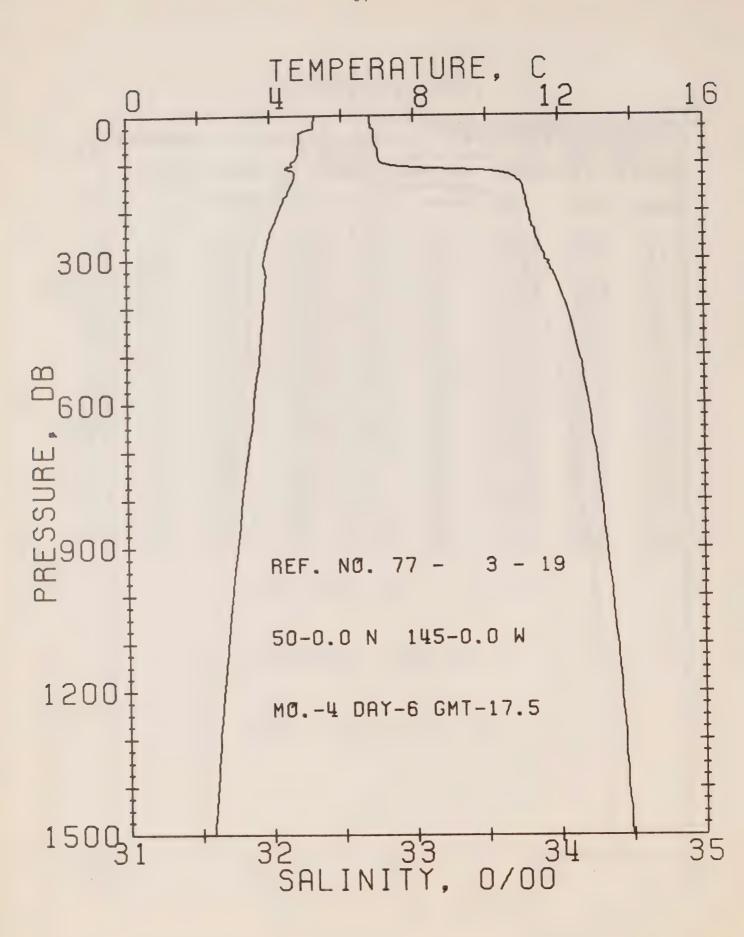
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 17 DATE 4/4/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 20.9
RESULTS OF STP CAST 156 POINTS TAKEN FROM ANALCG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	5.27	32.71	0	25.86	215.3	0 • C	0.0	1469.
10	5.28	32.71	10	25.86	215.7	0.22	0.01	1469.
20	5.27	32.70	20	25.85	216.4	0.43	0.04	1469.
30	5.25	32.70	30	25.85	216.3	0.65	0.10	1469.
	5.21	32.70	50	25.86	216.0	1.08	0.28	1470.
50	5.14	32.71	75	25.87	214.7	1.62	0.62	1470.
75		32.90	99	26.03	199.7	2.15	1.09	1470.
100	5.05 4.60	33.69	124	26.70	136.1	2.55	1.55	1470.
125			149	26.79	128.5	2.88	2.01	1469.
150	4.42	33.77	174	26.82	125.1	3.20	2.53	1469.
175	4.24	33.79			122.6	3.51	3.12	1469.
200	4.11	33.81	199	26.85				1469.
225	4.00	33.83	223	26.88	120.1	3.81	3.78	
250	3.91	33.86	248	26.91	117.1	4.11	4.50	1469.
300	3.83	33.91	298	26.96	113.0	4.68	6.11	1470.
400	3.82	34.05	397	27.08	103.1	5.76	9.94	1471.
500	3.69	34.13	496	27.15	96.6	6.76	14.52	1473.
600	3.53	34.20	595	27.22	90.8	7.69	19.77	1474.
800	3.17	34.31	793	27.34	80.1	9.40	31.88	1476.
1000	2.85	34.38	990	27.43	72.7	10.92	45.84	1478.
	2.62	34.43	1188	27.49	67.6	12.33	61.57	1480.
1200	2.30	34.50	1483	27.57	60.3	14.24	87.83	1484.
1500	2.30	34030	. 400					



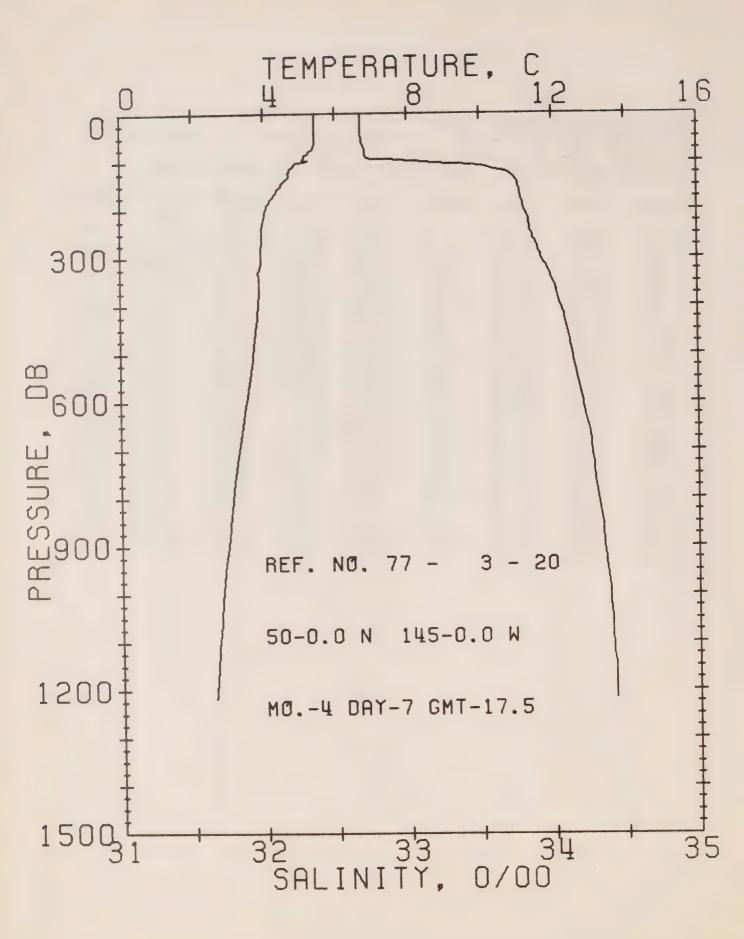
UFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 18 DATE 5/ 4/77 STATION P
PCSITION 50- 0.0N. 145- 0.0W GMT 17.7
RESULTS OF STP CAST 136 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	5.38	32.69	С	25.83	218.0	0 • C	0.0	1469.
10	5.38	32.69	10	25.83	218.3	0.22	0.01	1470.
20	5.37	32.69	20	25.83	218.3	0.44	0.04	147C.
30	5 • 37	32.69	30	25.83	218.4	0.65	0.10	147C.
50	5.31	32.71	50	25.85	216.1	1.09	0.28	147C.
75	5.22	32.72	75	25.87	214.9	1.63	0.62	1470.
100	4.64	32.97	99	26.13	190.2	2.15	1.08	1468.
125	4.69	33.70	124	26.71	135.8	2.53	1.51	147C.
150	4.56	33.78	149	26.79	128.6	2.86	1.98	1470.
175	4.27	33.81	174	26.84	124.0	3.17	2.50	1469.
200	4.06	33.83	199	26.87	120.6	3.48	3.08	1469.
225	3.97	33.86	223	26.91	117.5	3.77	3.73	1469.
250	3.95	33.89	248	26.93	115.6	4.07	4.43	1469.
300	3.92	33.94	298	26.98	111.7	4.63	6.02	1470.
400	3.88	34.06	397	27.08	103.1	5.70	9.83	1472.
500	3.71	34.14	496	27.15	96.2	6.70	14.40	1473.
600	3.54	34.20	595	27.22	90.7	7.64	19.63	1474.
800	3.18	34.31	793	27.34	80.3	9.34	31.77	1476.
1000	2.85	34.38	990	27.43	72.5	10.85	45.67	1478.
1200	2.61	34.43	1188	27.49	67.6	12.26	61.36	1480.



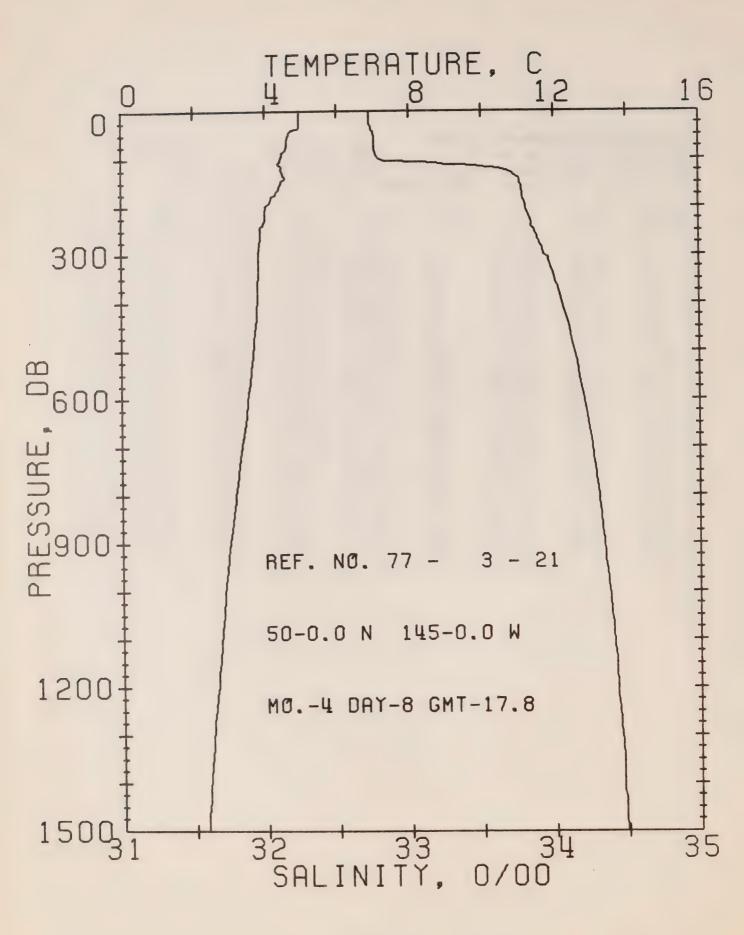
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 19 DATE 6/ 4/77 STATION P
PCSITION 50- 0.0N. 145- 0.0W GMT 17.5
RESULTS OF STP CAST 138 PCINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DLLTA	POT.	SOUND
				T		D	EN	
0	5.24	32.70	О	25.85	215.7	C • C	0.0	1469.
10	5.23	32.70	10	25.85	215.9	0.22	0.01	1469.
20	5.23	32.70	20	25.86	215.8	0.43	0.04	1469.
30	5.10	32.73	30	25.89	212.4	0.65	0.10	1469.
50	4.82	32.73	50	25.92	209.6	1.07	0.27	1468.
<b>7</b> 5	4.80	32.75	75	25.94	208.1	1.59	0.60	1468.
	4.60	32.79	99	25.99	203.3	2.11	1.06	1468.
100		33.68	124	26.69	137.9	2.53	1.54	1470.
125	4.69		149	26.77	130.6	2.85	2.01	1470.
150	4.56	33.76			127.3	3.18	2.54	147C.
175	4.38	33.78	174	26.80			3.15	1470.
200	4.25	33.80	199	26.83	124.7	3.50		
225	4.11	33.81	223	26.86	122.4	3.81	3.82	1469.
250	3.99	33.84	248	26.89	119.2	4.11	4.55	1469.
300	3.84	33.91	298	26.96	113.1	4.69	6.17	1470.
400	3.81	34.06	397	27.08	102.5	5.76	9.99	1471.
	3.69	34.14	496	27.16	95.7	6.75	14.53	1473.
500			595	27.22	90.3	7.68	19.72	1474.
600	3.53	34.20			81.2	9.39	31.89	1476.
800	3.19	34.29	793	27.33				1478.
1000	2.89	34.36	990	27.41	74.2	10.95	46.14	
1200	2.63	34.42	1188	27.48	68.3	12.37	62.05	1480.
1500	2.32	34.49	1483	27.56	61.2	14.31	88.66	1484.



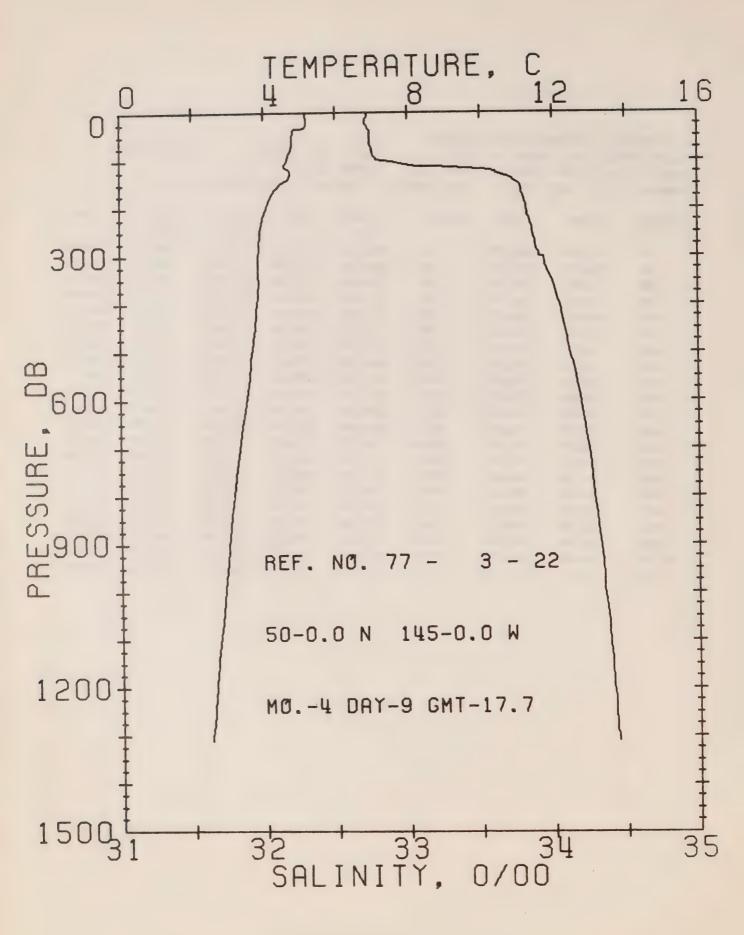
OFFSHCRE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 20 DATE 7/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.5
RESULTS OF STP CAST 134 POINTS TAKEN FRUM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	5.44	32.68	0	25.81	219.3	0.0	0.0	1470.
10	5.44	32.68	10	25.81	219.7	0.22	0.01	1470.
20	5.45	32.68	20	25.81	219.8	0.44	0.04	147C.
30	5.45	32.68	30	25.81	219.9	0.66	0.10	1470.
50	5.44	32.68	50	25.82	219.8	1.10	0.28	1471.
75	5.36	32.71	75	25.85	217.2	1.05	0.63	1471.
100	5.13	33.12	99	26.20	184.1	2.17	1.10	1471.
125	4.69	33.71	124	26.71	135.5	2.55	1.53	147C.
150	4.48	33.77	149	26.78	128.9	2.88	1.99	1470.
175	4.23	33.79	174	26.83	125.0	3.20	2.52	1469.
200	4.06	33.81	199	26.86	122.1	3.51	3.11	1469.
225	3.98	33.84	223	26.89	119.1	3.81	3.76	1469.
250	3.94	33.86	248	26.91	117.4	4.10	4.47	1469.
300	3.93	33.92	298	26.96	113.2	4.68	6.08	1470.
400	3.83	34.06	397	27.08	102.8	5.75	9.90	1471.
	3.69	34.14	496	27.16	96.2	6.74	14.44	1473.
500	3.49	34.21	595	27.23	89.4	7.67	19.65	1473.
600	3.10	34.31	793	27.35	79.2	9.35	31.59	1475.
800	2.80	34.39	990	27.44	71.2	10.85	45.33	1477.
1000		34.42	1188	27.48	67.9	12.24	60.89	1480.
1200	2.59	34042	1100					



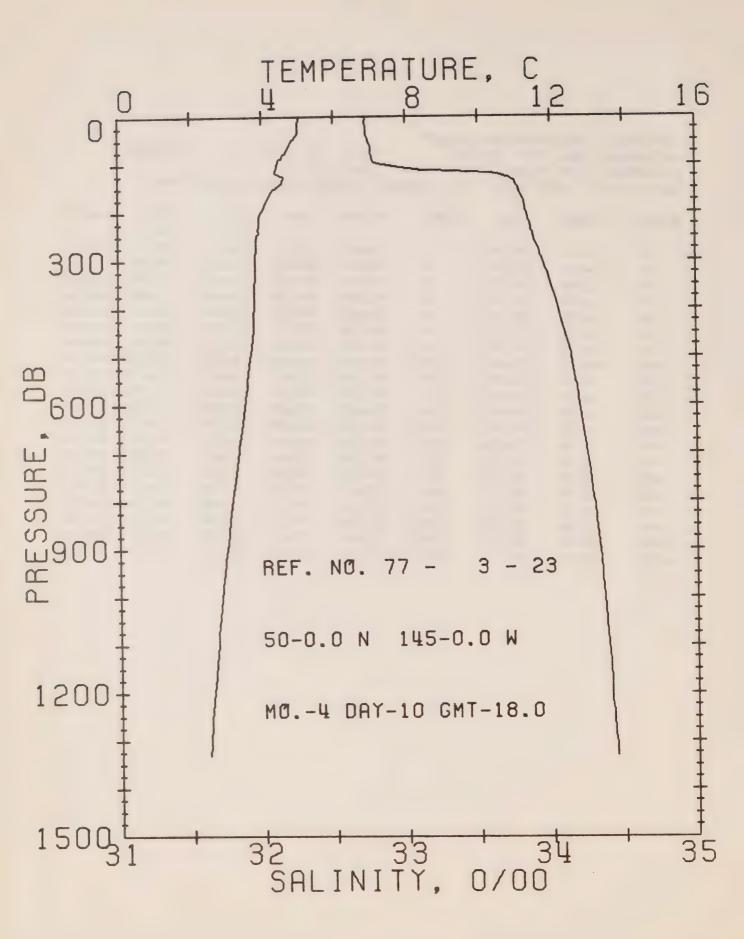
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 21 DATE 8/ 4/77 STATION P
POSITION 50- 0.0N, 145-0.0W GMT 17.8
RESULTS OF STP CAST 171 POINTS TAKEN FROM ANALOG TRACE

						5 1 TA	DOT	SJUND
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	27010
				T		D	EN	
0	4.97	32.73	0	25.91	210.5	0.0	0.0	1468.
10	4.97	32.73	10	25.91	210.9	0.21	0.01	1468.
20	4.96	32.73	20	25.91	210.9	0.42	0.04	1468.
30	4.97	32.73	30	25.91	210.8	0.63	0.10	1468.
50	4.66	32.75	50	25.96	206.3	1.05	0.27	1467.
75	4.61	32.76	<b>7</b> 5	25.97	205.4	1.56	0.59	1468.
100	4.45	32.80	99	26.02	201.1	2.C7	1.05	1467.
125	4.48	33.68	124	26.72	135.1	2.49	1.52	1469.
150	4.46	33.77	149	26.78	128.8	2.81	1.98	1470.
175	4.26	33.79	174	26.82	125.3	3.13	2.50	1469.
200	4.03	33.81	199	26.86	121.6	3.44	3.09	1469.
225	3.99	33.84	223	26.89	119.6	3.74	3.75	1469.
250	3.87	33.87	248	26.93	116.0	4.04	4.46	1469.
	3.81	33.93	298	26.98	111.2	4.61	6.05	1470.
300		34.06	397	27.08	102.3	5.67	9.83	1471.
400	3.78		496	27.16	95.5	6.65	14.35	1472.
500	3.66	34.14		27.23	89.5	7.58	19.53	1473.
600	3.50	34.21	595			9.27	31.57	1475.
800	3.16	34.31	793	27.34	79.8			1477.
1000	2.84	34.38	990	27.43	72.6	10.79	45.53	
1200	2.62	34.43	1188	27.49	67.5	12.19	61.20	1480.
1500	2.31	34.49	1483	27.56	61.1	14.11	87.54	1484.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 22 DATE 9/ 4/77 STATIUN P
POSITION 50- 0.0N. 145- 0.0W GMT 17.7
RESULTS OF STP CAST 133 POINTS TAKEN FROM ANALOG TRACE

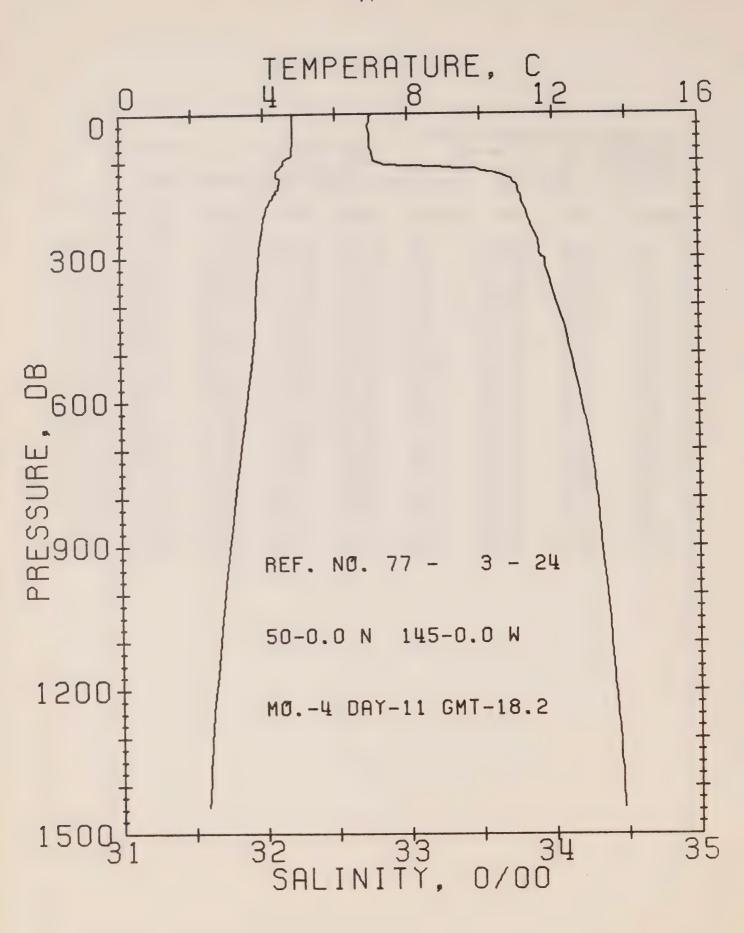
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PUT.	SOUND
PRE. 33	The cold	37.2		Т		. D	EN	
0	5.18	32.72	0	25.87	213.5	0.0	0.0	1469.
10	5.19	32.72	10	25.87	213.9	0.21	0.01	1469.
20	5.19	32.71	20	25.87	214.7	0.43	0.04	1469.
30	5.18	32.72	30	25.87	214.0	0.64	0.10	1469.
50	4.81	32.74	50	25.93	208.7	1.06	0.27	1468.
75	4.78	32.75	75	25.94	207.9	1.58	0.60	1468.
100	4.64	32.83	99	26.02	200.4	2.10	1.06	1468.
125	4.75	33.61	124	26.63	143.5	2.53	1.55	147C.
150	4.47	33.77	149	26.79	128.7	2.87	2.02	1470.
175	4.19	33.80	174	26.84	123.9	3.18	2.54	1469.
200	4.07	33.82	199	26.87	121.4	3.49	3.13	1469.
225	3.96	33.84	223	26.90	118.6	3.79	3.78	1469.
250	3.90	33.86	248	26.92	116.8	4.08	4.49	1469.
300	3.85	33.91	298	26.96	113.2	4.60	6.10	1470.
400	3.81	34.05	397	27.07	103.4	5.73	9.93	1471.
500	3.66	34.12	496	27.14	97.2	6.74	14.53	1472.
600	3.50	34.19	595	27.22	90.8	7.67	19.78	1473.
800	3.14	34.28	793	27.33	81.5	9.39	31.98	1475.
1000	2.87	34.35	990	27.41	74.7	10.94	46.20	1478.
1200	2.61	34.41	1188	27.48	68.7	12.37	62.19	1480.



DEFSHORE OCEANGGRAPHY GROUP STATION P REFERENCE NO. 77- 3- 23 DATE 10/ 4/77 POSITION 50- 0.0N. 145- 0.0W GMT 18.0 119 POINTS TAKEN FROM ANALOG TRACE

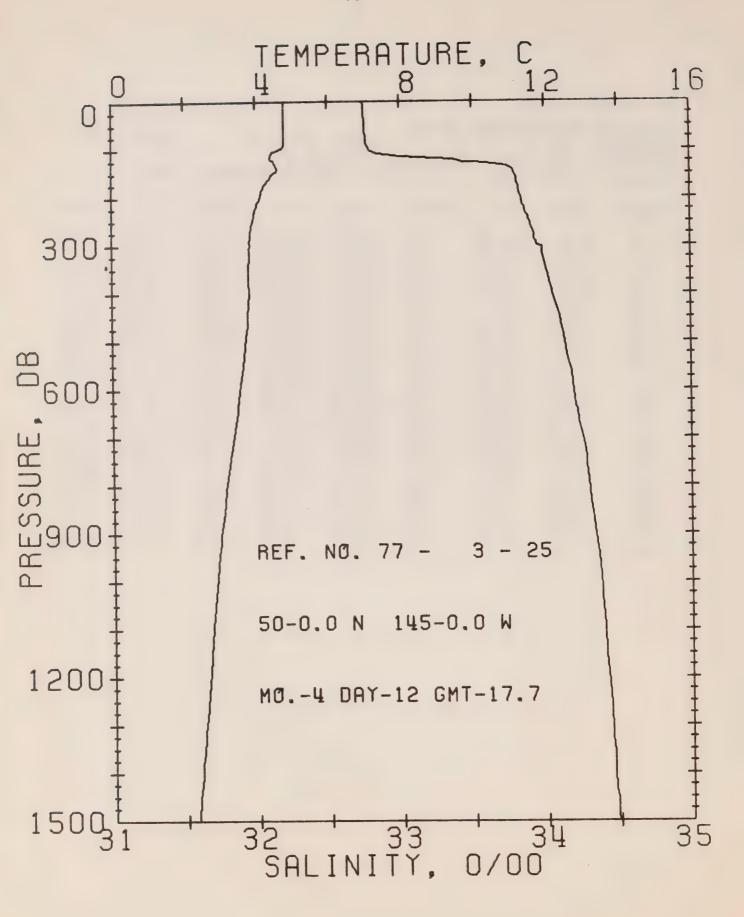
RESULTS OF STP CAST

PCT . SCUND SIGMA SVA DELTA PRESS SAL DEPTH TC MP EN D T 0.0 0.0 1468. 25.90 211.2 32.73 0 0 5.03 0.01 1468. 212.0 0.21 10 5.02 32.72 10 25.89 1468. 0.42 0.04 20 5.01 32.73 20 25.90 211.8 32.73 25.90 211.5 0.64 0.10 1469. 5.01 30 30 32.74 25.93 209.1 1.06 0.27 1468. 50 4.85 50 25.96 205.9 1.57 0.60 1468. 32.76 75 4.65 75 1467. 1.05 99 26.04 198.7 2.08 100 4.44 32.83 1.53 147C. 2.50 125 4.57 33.69 124 26.71 135.6 1.99 1469. 33.78 149 26.80 126.9 2.83 4.36 150 121.8 3.14 2.50 1469. 33.82 174 26.86 4.14 175 30.E 1468. 199 26.89 119.3 3.44 3.97 33.83 200 117.0 3.74 3.72 1469. 26.91 33.86 223 225 3.91 4.42 1469. 26.94 114.8 4.03 250 3.86 33.88 248 5.99 1470. 27.00 109.8 4.59 3.81 33.95 298 300 9.78 1471. 34.05 397 27.08 102.6 5.65 3.78 400 1472. 95.0 6.64 14.31 27.16 500 3.66 34.14 496 7.57 19.51 1473. 27.22 90.4 3.50 34.2C 595 600 1475. 31.68 3.14 34.29 793 27.33 8.03 9.28 800 1477. 73.6 10.82 45.77 34.36 990 27.42 1000 2.83 1480. 27.48 68.5 12.24 61.64 1200 2.58 34.41 1188



OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 24 DATE 11/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 18.2
RESULTS OF STP CAST 116 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SUUND
				T		D	EN	
0	4.81	32.75	0	25.94	207.4	0 • 0	0.0	1467.
10	4.83	32.74	10	25.93	208.6	0.21	0.01	1467.
20	4.83	32.74	20	25.93	208.9	0.42	0.04	1468.
30	4.84	32.73	30	25.92	209.6	0.63	0.10	1468.
50	4.83	32.74	50	25.93	208.9	1.04	0.27	1468.
75	4.81	32.74	75	25.94	208.7	1.57	0.60	1468.
100	4.56	32.78	99	25.99	203.6	2.08	1.06	1468.
125	4.34	33.61	124	26.67	139.0	2.51	1.55	1468.
150	4.44	33.75	149	26.77	129.8	2.84	2.01	1469.
175	4.25	33.79	174	26.82	125.5	3.16	2.54	1469.
200	4.07	33.81	199	26.86	122.1	3.47	3.13	1469.
225	3.99	33.84	223	26.89	119.2	3.77	3.78	1469.
250	3.93	33.88	248	26.92	116.1	4.07	4.50	1469.
300	3.84	33.92	298	26.97	112.3	4.64	6.09	1470.
400	3.77	34.03	397	27.06	104.2	5.72	9.93	1471.
500	3.67	34.12	496	27.15	97.1	6.72	14.54	1472.
600	3.49	34.19	595	27.22	90.8	7.66	19.79	1473.
800	3.16	34.30	793	27.34	80.6	9.36	31.90	1475.
	2.85	34.36	990	27.41	73.9	10.91	46.C8	1478.
1000		34.42	1188	27.48	68.1	12.33	61.94	1480.
1200	2.59	34042	2 2 0 0	2,4,0				

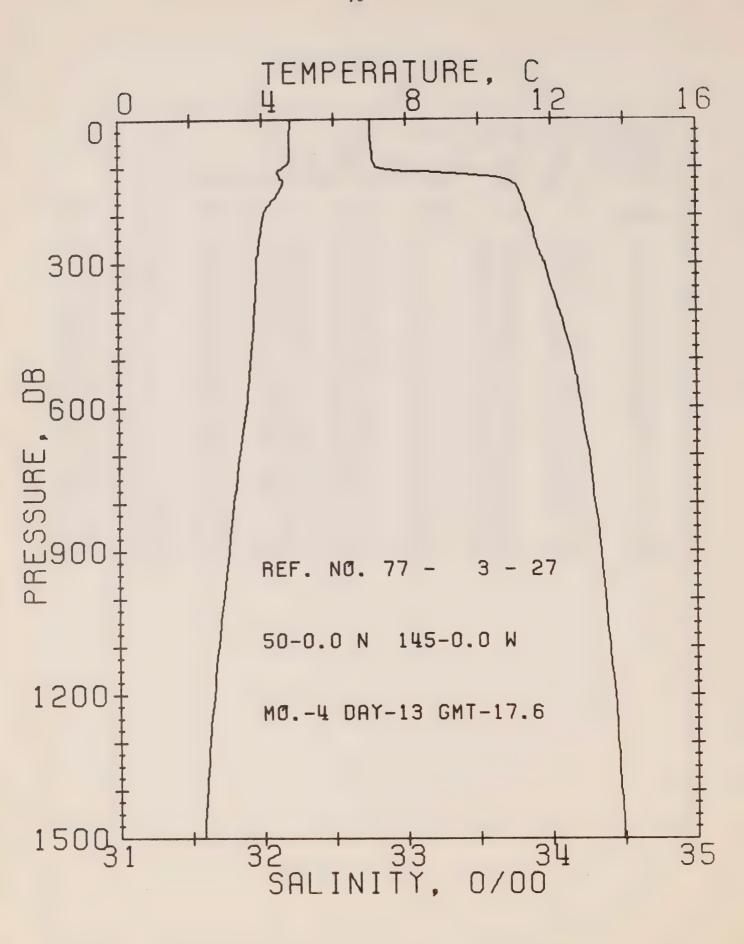


DEFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 25

POSITION 50- 0.0N, 145- 0.0W GMT 17.7

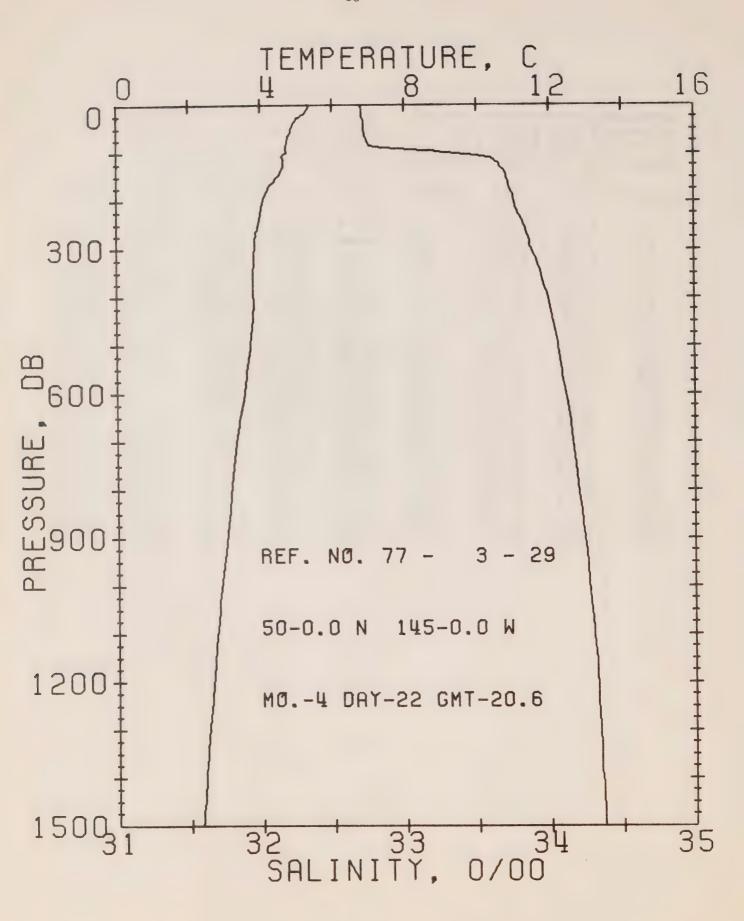
RESULTS OF STP CAST 124 PUINTS TAKEN FROM ANALUG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	4.80	32.74	0	25.93	208.0	0.0	0.0	1467.
10	4.80	32.75	10	25.94	207.6	0.21	0.01	1467.
20	4.79	32.75	20	25.94	207.6	0.42	0.04	1467.
30	4.79	32.75	30	25.94	207.5	0.62	0.10	1468.
50	4.79	32.76	50	25.95	207.0	1.04	0.26	1468.
<b>7</b> 5	4.79	32.77	<b>7</b> 5	25.96	206.6	1.55	0.59	1468.
100	4.68	32.79	99	25.98	204.3	2.07	1.05	1468.
125	4.51	33.43	124	26.51	154.5	2.53	1.58	1469.
150	4.51	33.79	149	26.8C	127.5	2.86	2.05	1470.
175	4.23	33.82	174	26.85	123.0	3.18	2.56	1469.
200	4.11	33.84	199	26.88	120.4	3.48	3.15	1469.
225	3.98	33.86	223	26.91	117.7	3.78	3.79	1469.
250	3.90	33.89	248	26.94	114.4	4.07	4.49	1469.
300	3.84	33.95	298	26.99	110.1	4.63	6.06	1470.
400	3.81	34.05	397	27.08	103.0	5.69	9.83	1471.
500	3.70	34.14	496	27.15	96.3	6.68	14.38	1473.
600	3.53	34.19	595	27.22	90.9	7.62	19.61	1474.
800	3.15	34.30	793	27.34	80.6	9.32	31.77	1475.
1000	2.84	34.38	990	27.43	72.6	10.85	45.76	1477.
1200	2.62	34.42	1188	27.48	67.9	12.26	61.52	1480.
1500	2.30	34.49	1483	27.56	61.0	14.19	89.08	1484.



DEFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 27
DATE 13/ 4/77
STATION P
POSITION 50- 0.0N, 145- 0.0W - GMT 17.6
RESULTS OF STP CAST 114 POINTS TAKEN FROM ANALCG TRACE

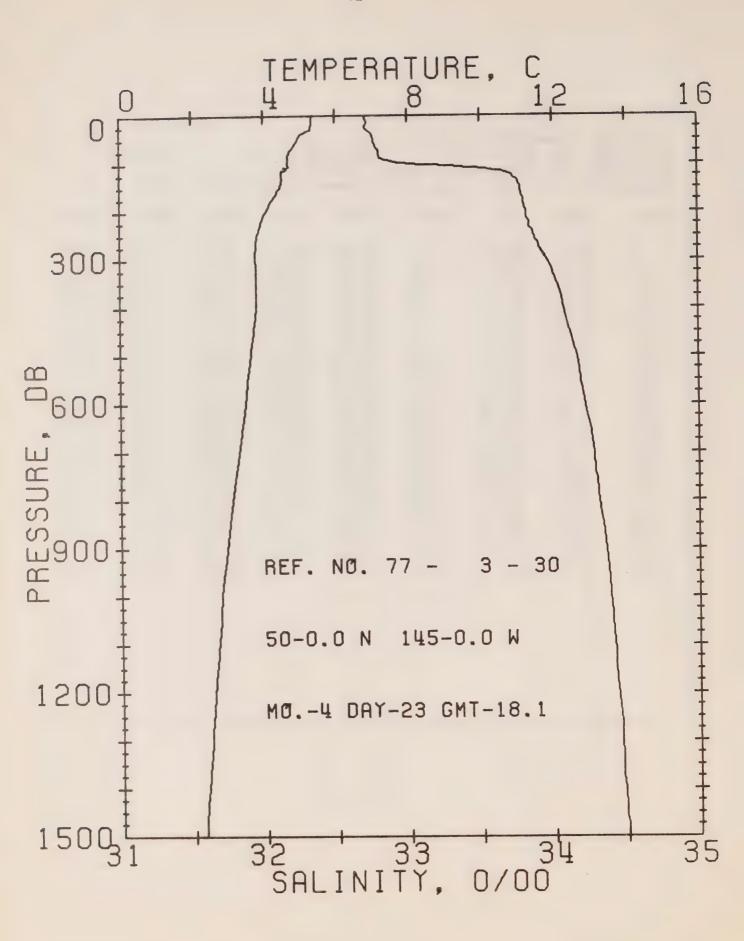
PELSS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	4.79	32.75	0	25.94	207.2	0 • C	0.0	1467.
10	4.79	32.75	10	25.94	207.5	0.21	0.01	1.467.
20	4.79	32.75	20	25.94	207.5	0.41	0.04	1467.
30	4.78	32.75	30	25.94	207.5	0.62	0.10	1468.
50	4.78	32.76	50	25.95	207.3	1.04	0.26	1468.
75	4.78	32.77	75	25.96	206.4	1.55	0.59	1468.
100	4.61	32.79	99	26.00	203.1	2.07	1.05	1468.
125	4.56	33.69	124	26.71	135.5	2.49	1.53	1469.
150	4.48	33.78	149	26.8C	127.8	2.81	1.98	1470.
175	4.22	33.81	174	26.85	123.1	3.13	2.50	1469.
200	4.04	33.85	199	26.89	119.0	3.43	3.08	1469.
225	3.98	33.87	223	26.92	116.5	3.72	3.72	1469.
250	3.93	33.89	248	26.94	114.8	4 . C1	4.42	1469.
300	3.83	33.96	298	27.00	109.2	4.57	5.99	1470.
400	3.78	34.06	397	27.08	102.1	5.63	9.77	1471.
500	3.67	34.15	496	27.17	95.2	6.62	14.28	1473.
600	3.53	34.21	595	27.23	89.9	7.54	19.45	1474.
800	3.18	34.30	793	27.33	8.03	9.24	31.55	1476.
1000	2.88	34.37	990	27.42	73.5	10.78	45.65	1478.
1200	2.61	34.43	1188	27.49	66.9	12.19	61.42	1480.
1500	2.32	. 34.49	1483	27.56	61.2	14.10	87.68	1484.
3000								



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 29 DATE 22/-4/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 20.6
RESULTS OF STP CAST 126 POINTS TAKEN FROM ANALOG TRACE

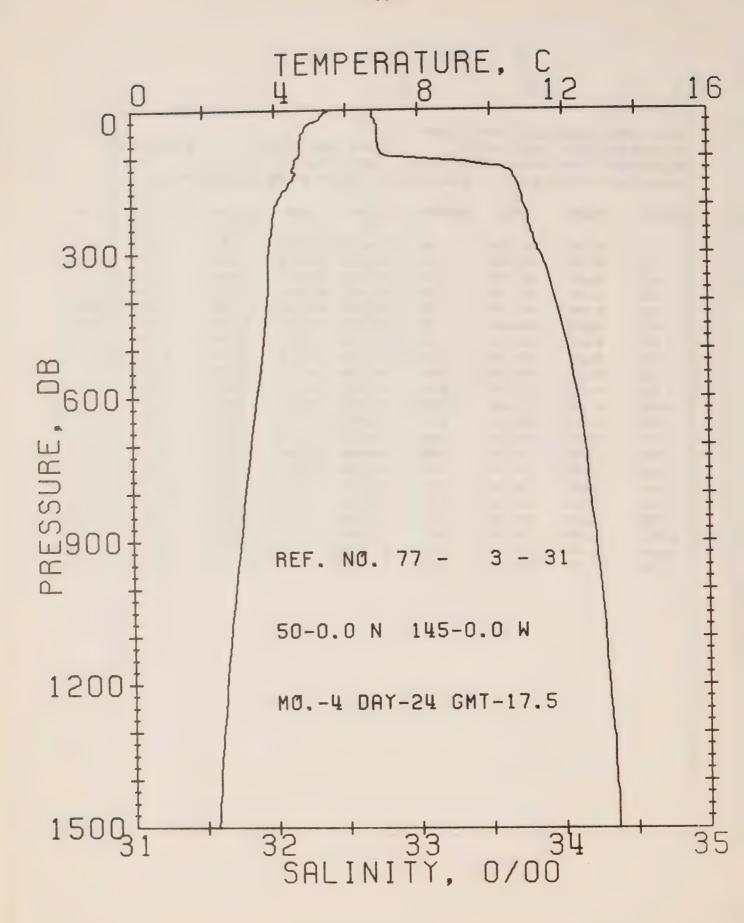
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		C	ÉN	
0	5.31	32.70	0	25.84	216.4	0 • C	0.0	1469.
10	5.32	32.71	10	25.85	216.2	0.22	0.01	1469.
20	5.20	32.71	20	25.87	214.9	0.43	0.04	1469.
30	5.00	32.72	30	25.89	212.4	0.65	0.10	1468.
50	4.86	32.72	50	25.91	210.8	1.07	0.27	1468.
<b>7</b> 5	4.74	32.74	75	25.94	208.2	1.59	0.60	1468.
100	4.71	33.35	99	26.43	162.3	2.08	1.03	1469.
125	4.64	33.66	124	26.68	138.6	2.44	1.45	1470.
150	4.46	33.71	149	26.74	133.2	2.78	1.92	1470.
175	4.19	33.73	174	26.79	128.8	3.10	2.46	1469.
200	4.06	33.76	199	26.82	126.0	3.42	3.07	1469.
225	4.00	33.79	223	26.85	123.1	3.73	3.74	1469.
250	3.93	33.83	248	26.89	119.7	4.04	4.48	1469.
300	3.84	33.88	298	26.94	115.3	4.62	6.12	147C.
400	3.81	33.99	397	27.03	107.4	5.73	10.07	1471.
500	3.70	34.06	496	27.09	102.0	6.78	14.86	1473.
600	3.53	34.11	595	27.15	96.9	7.77	20.44	1473.
800	3.16	34.20	793	27.25	88.2	9.61	33.53	1475.
1000	2.86	34.27	990	27.34	80.6	11.30	48.94	1477.
1200	2.62	34.33	1188	27.41	75.2	12.85	66.33	1480.
1500	2.30	34.37	1484	27.47	69.8	15.02	96.18	1483.

<sup>\*</sup> Note: Salinities from 300 - 1500 db are suspected to be too low.



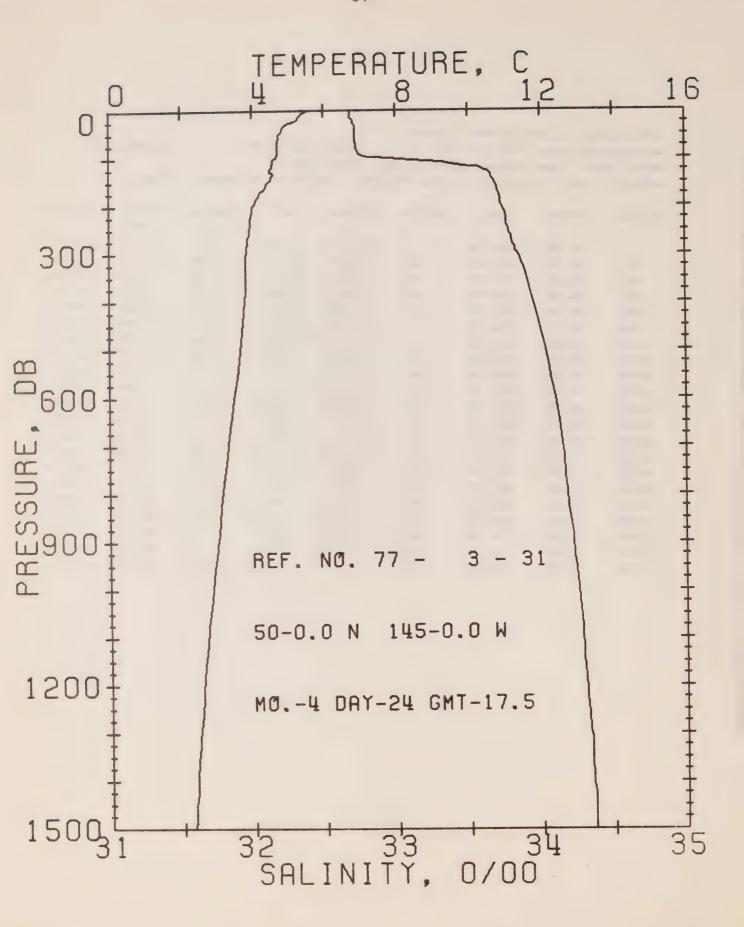
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 30 DATE 23/ 4/77 STATION P
POSITION 50- C.ON, 145- O.OW GMT 18.1
RESULTS OF STP CAST 146 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PCT.	SOUND
				Т		D	EN	
0	5.35	32.72	0	25.86	215.3	0.0	0.0	1469.
10	5.35	32.72	10	25.85	216.0	0.22	0.01	1470.
20	5.34	32.71	20	25.85	216.1	0.43	0.04	147C.
30	5.30	32.73	30	25.87	214.6	0.65	0.10	1470.
	4.96	32.77	50	25.94	208.2	1.07	0.27	1469.
50		32.80	75	25.99	203.6	1.58	0.60	1468.
75	4.73	33.01	99	26.16	187.3	2.09	1.04	1459.
100	4.67		124	26.74	132.4	2.46	1.47	1469.
125	4.52	33.73			127.9	2.78	1.93	1470.
150	4.45	33.78	149	26.79		3.10	2.45	1469.
175	4.23	33.80	174	26.83	124.3			
200	4.05	33.82	199	26.87	121.1	3.41	3.04	1469.
225	3.91	33.84	223	26.90	118.4	3.71	3.69	1469.
250	3.82	33.87	248	26.93	115.2	4.00	4.39	1469.
300	3.77	33.93	298	26.98	110.8	4.56	5.97	1469.
400	3.78	34.08	397	27.10	100.9	5.61	9.69	1471.
500	3.62	34.16	496	27.18	93.4	6.58	14.14	1472.
		34.22	595	27.24	88.2	7.49	19.23	1473.
600	3.46		793	27.36	78.6	9.15	31.05	1475.
800	3.10	34.32			70.9	10.64	44.67	1477.
1000	2.78	34.39	990	27.44				1480.
1200	2.57	34.44	1188	27.50	66.3	12.C1	60.07	
1500	2.27	34.50	1483	27.57	59.9	13.90	86.00	1483.



OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 30 DATE 23/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 18.1
RESULTS OF STP CAST 146 POINTS TAKEN FROM ANALOG TRACE

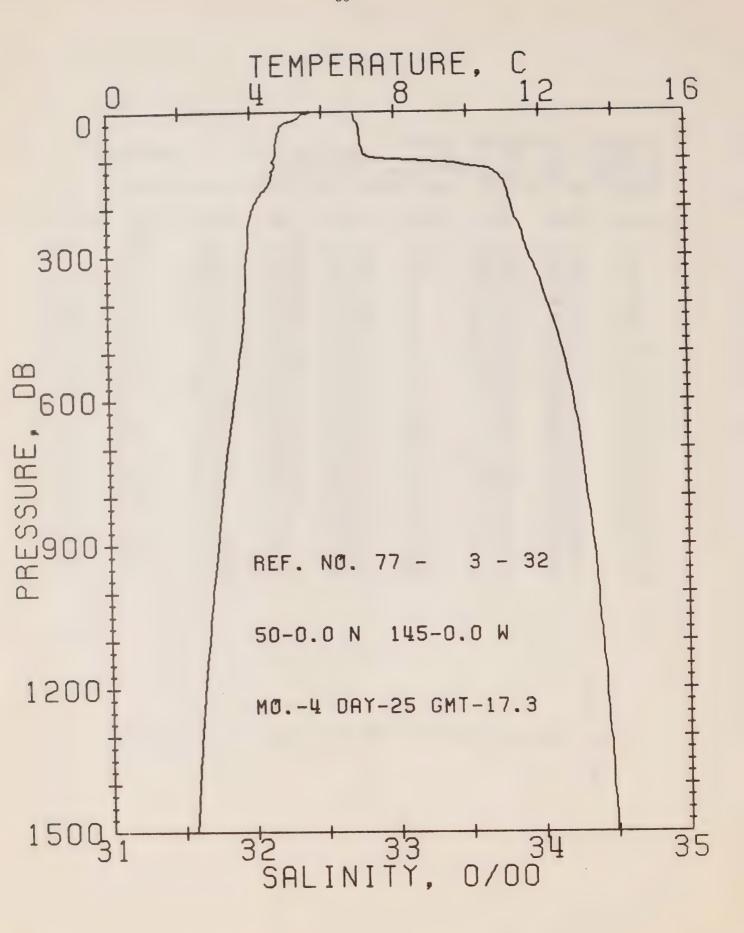
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	5.35	32.72	0	25.86	215.3	0.0	0.0	1469.
10	5.35	32.72	10	25.85	216.0	0.22	0.01	1470.
20	5.34	32.71	20	25.85	216.1	0.43	0.04	147C.
30	5.30	32.73	30	25.87	214.6	0.65	0.10	1470.
50	4.96	32.77	50	25.94	208.2	1.07	0.27	1469.
75	4.73	32.80	75	25.99	203.6	1.58	0.60	1468.
100	4.67	33.01	99	26.16	187.3	2.09	1.04	1469.
125	4.52	33.73	124	26.74	132.4	2.46	1.47	1469.
150	4.45	33.78	149	26.79	127.9	2.78	1.93	1470.
175	4.23	33.80	174	26.83	124.3	3.10	2.45	1469.
200	4.05	33.82	199	26.87	121.1	3.41	3.04	1469.
225	3.91	33.84	223	26.90	118.4	3.71	3.69	1469.
250	3.82	33.87	248	26.93	115.2	4.00	4.39	1469.
300	3.77	33.93	298	26.98	110.8	4.56	5.97	1469.
400	3.78	34.08	397	27.10	100.9	5.61	9.69	1471.
500	3.62	34.16	496	27.18	93.4	6.58	14.14	1472.
600	3.46	34.22	595	27.24	88.2	7.49	19.23	1473.
800	3.10	34.32	793	27.36	78.6	9.15	31.05	1475.
1000	2.78	34.39	990	27.44	70.9	10.64	44.67	1477.
1200	2.57	34.44	1188	27.50	66.3	12.C1	60.07	1480.
1500	2.27	34.50	1483	27.57	59.9	13.90	86.00	1483.



OFFSHORE UCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 31 DATE 24/ 4/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.5
RESULTS OF STP CAST 141 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA :	DELTA	POT.	SOUND
				T		C	éN .	
0	5.40	32.69	0	25.83	218.2	0 • C	0.0	147C.
10	5.37	32.69	10	25.83	218.1	0.22	0.01	1470.
20	5.26	32.70	20	25.85	216.5	0.44	0.04	1469.
30	4.96	32.71	30	25.89	212.2	0.55	0.10	1468.
50	4.74	32.72	50	25.92	209.6	1.07	0.27	1468.
75	4.72	32.73	75	25.93	208.8	1.60	0.60	1468.
100	4.67	32.95	99	26.11	192.0	2.11	1.07	1469.
125	4.50	33.62	124	26.66	140.4	2.52	1.52	1469.
150	4.46	33.68	149	26.72	135.2	2 • 86	2.01	1469.
175	4.21	33.72	174	26.77	130.2	3.19	2.55	1469.
200	4.03	33.73	199	26.80	127.3	3.51	3.17	1469.
225	3.96	33.77	223	26.34	124.1	3.83	3.85	1469.
250	3.93	33.78	248	26.85	123.2	4.14	4.60	1469.
300	3.82	33.84	298	26.91	117.8	4.74	6.29	1469.
400	3.78	33.95	397	27.00	110.1	5.87	10.33	1471.
500	3.64	34.03	496	27.08	103.4	6.94	15.22	1472.
600	3.48	34.10	595	27.15	97.4	7.95	20.85	1473.
800	3.14	34.18	793	27.24	89.0	9.80	34.05	1475.
1000	2.85	34.25	990	27.33	81.9	11.51	49.69	1477.
1200	2.58	34.31	1188	27.39	76.2	13.08	67.34	1480.
1500	2.30	34.36	1484	27.46	70.6	15.27	97.32	1483.

<sup>\*</sup> Note: Salinities from 300 - 1500 db are suspected to be too low.

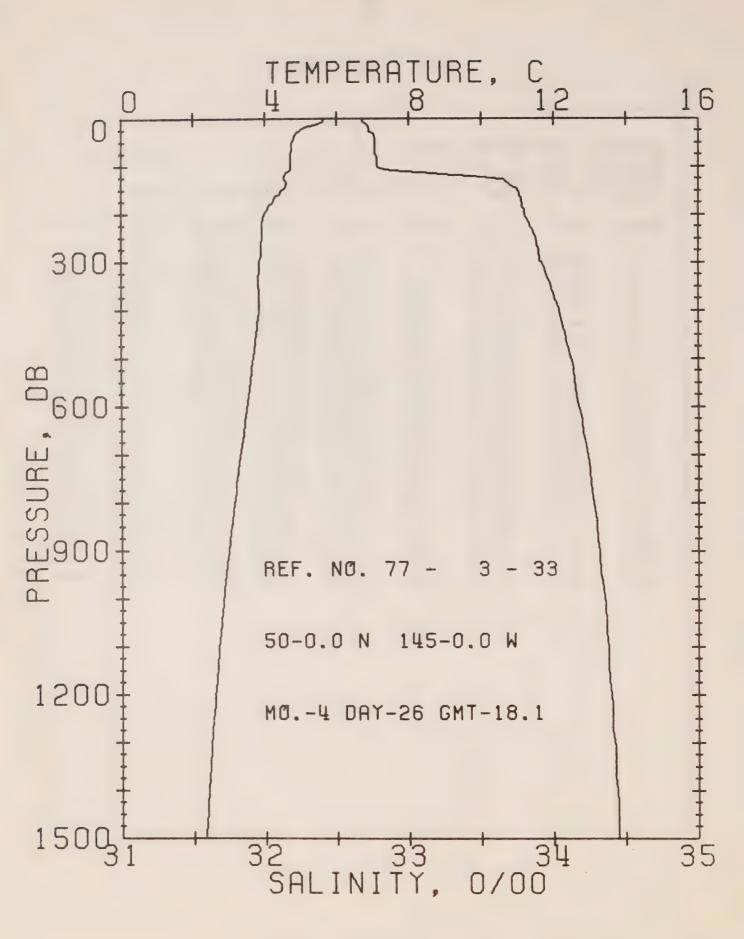


OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 32 DATE 25/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3

RESULTS OF STP CAST

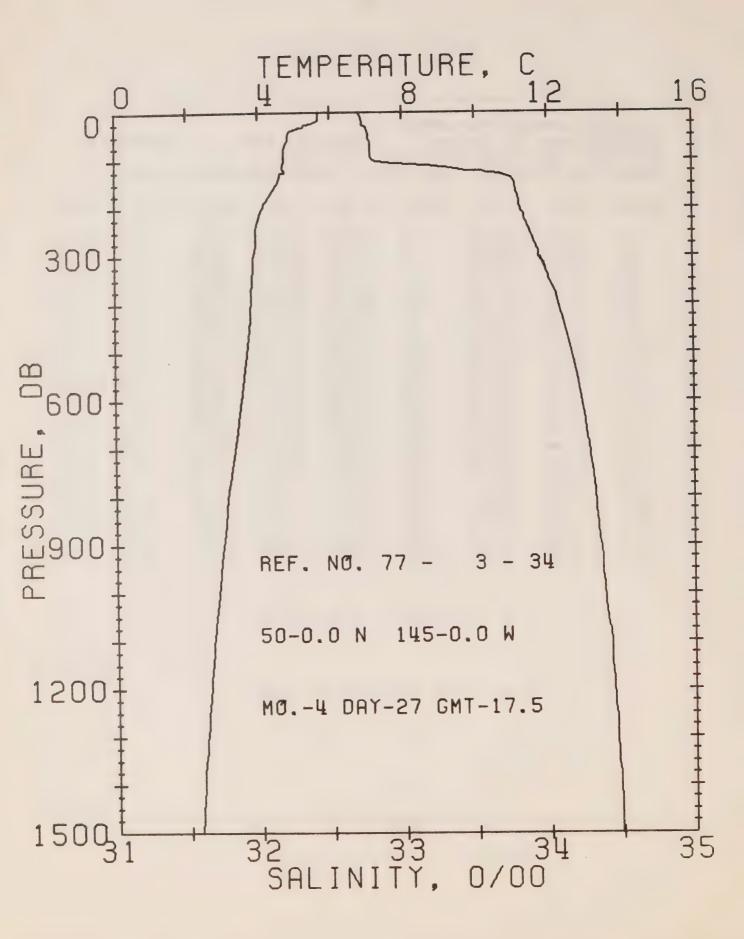
130 POINTS TAKEN FROM ANALOG TRACE

POT. SOUND DEPTH SIGMA SVA DLLTA TEMP SAL PRESS T D EN 0.0 1471. 25.82 0.0 0 5.66 32.72 0 218.8 1470. 32.72 10 25.85 215.9 0.22 0.01 10 5.40 32.73 25.89 212.7 0.43 0.04 1469. 5.16 20 20 0.64 0.10 1468. 4.85 32.75 30 25.93 208.3 30 1.06 0.27 1468. 25.96 206.6 32.76 50 4.77 50 205.3 0.59 1468. 25.97 1.57 32.78 75 75 4.71 1469. 178.8 2.C7 1.04 100 4.64 33.12 99 26.25 1470. 1.47 125 4.60 33.69 124 26.70 136.2 2.45 1470. 130.1 2.78 1.94 4.52 33.76 149 26.77 150 2.47 1469. 33.79 174 26.82 125.1 3.10 4.24 175 121.9 3.41 3.06 1469. 199 26.86 4.06 33.81 200 3.71 3.71 1469. 223 26.89 119.2 225 3.96 33.84 4.42 1469. 4.01 3.93 33.88 248 26.93 116.1 250 1470. 26.97 112.5 4.58 6.02 33.92 298 300 3.86 9.84 1471. 27.07 103.2 5.65 3.81 34.05 397 400 1472. 14.38 3.67 34.15 496 27.17 95.2 6.64 500 19.51 1473. 27.24 88.7 7.55 3.49 34.22 595 600 793 27.35 79.6 9.24 31.43 1475. 800 3.12 34.31 1477. 990 10.75 45.30 2.84 34.3€ 27.43 72.3 1000 60.92 1480. 34.43 1188 27.49 67.0 12.15 1200 2.58 27.56 60.9 14.06 87.17 1484. 34.49 1483 2.29 1500



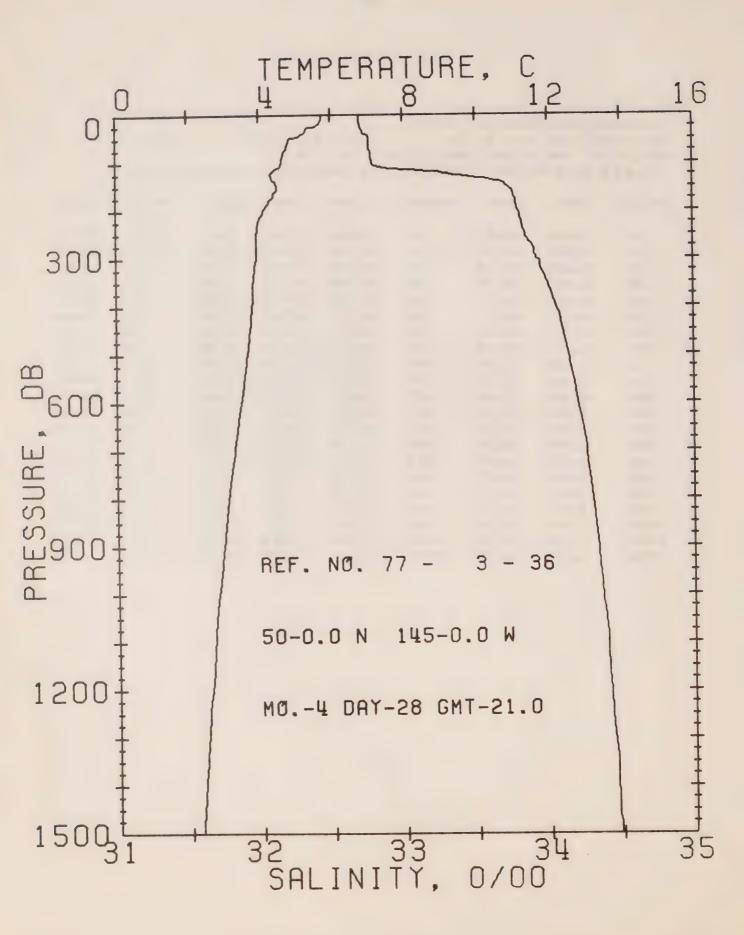
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 33 DATE 26/ 4/77 STATION P
POSITION 50- C.ON. 145- O.OW GMT 18.1
RESULTS OF STP CAST 156 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	5.62	32.68	О	25.79	221.3	0 • C	0 • C	1470.
10	5.56	32.70	10	25.81	219.8	0.22	0.01	147.C.
20	5.07	32.72	20	25.89	212.8	0.44	0.04	1469.
30	4.89	32.75	.30	25.93	208.7	0.65	0.10	1468.
50	4.76	32.77	50	25.96	206.0	1.06	0.27	1468.
75	4.72	32.77	75	25.97	205.6	1.58	C.59	1468.
100	4.72	32.78	99	25.97	205.3	2.09	1.05	1469.
125	4.53	33.61	124	26.65	141.2	2.54	1.56	1469.
150	4.50	33.75	149	26.77	130.5	2.88	2.04	147C.
175	4.21	33.78	174	26.82	125.4	3.20	2.56	1469.
200	3.98	33.80	199	26.86	121.6	3.50	3.15	1468.
225	3.92	33.84	223	26.90	118.5	3.80	3.80	1469.
250	3.91	33.88	248	26.93	115.6	4.10	4.51	1469.
300	3.85	33.92	298	26.97	112.4	4.67	6.11	1470.
400	3.83	34.04	397	27.07	104.1	5.75	9.96	1471.
500	3.67	34.12	496	27.15	97.0	6.75	14.57	1472.
600	3.50	34.18	595	27.21	91.8	7.70	19.85	1473.
800	3.15	34.28	793	27.32	81.8	9.43	32.16	1475.
1000	2.83	34.36	990	27.41	74.1	10.98	46.42	1477.
1200	2.60	34.40	1188	27.47	69.5	12.42	62.52	1480.
1500	2.32	34.45	1483	27.53	64.1	14.41	89.85	1484.



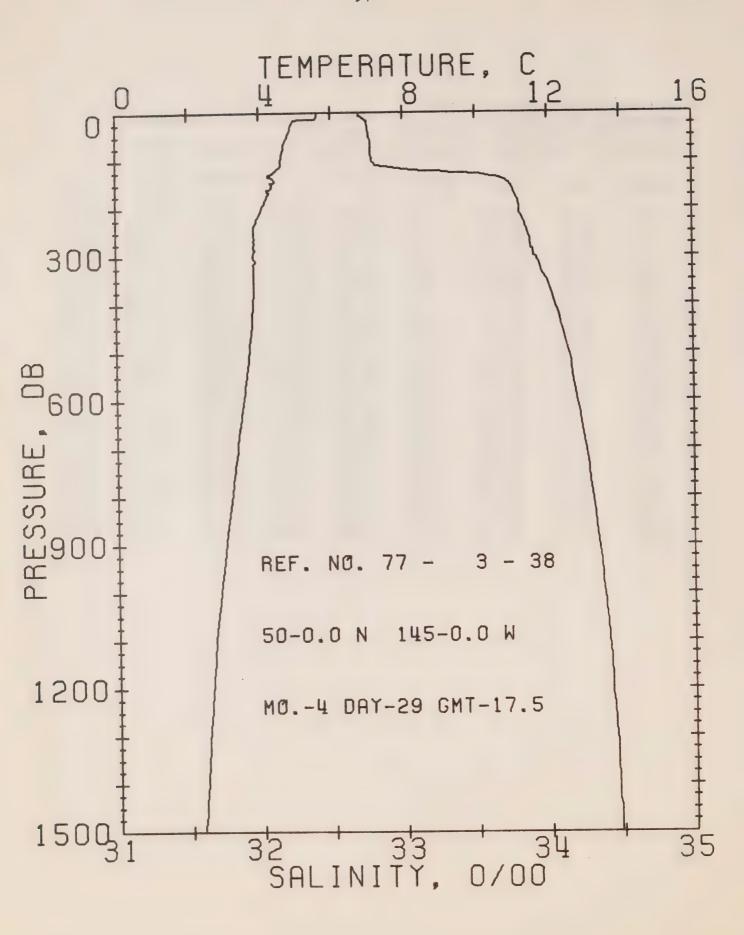
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 34 DATE 27/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.5
RESULTS OF STP CAST 156 POINTS TAKEN FRUM ANALUG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA.	DELTA	POT.	SUUND
				T		D	EN	
0	5.69	32.71	0	25.81	219.9	0.0	0.0	1471.
10	5.69	32.71	10	25.81	219.8	0.22	0.01	1471.
20	5.64	32.72	20	25.82	218.8	0.44	0.04	1471.
30	5.28	32.75	30	25.88	213.1	0.65	0.10	1470.
50	4.84	32.77	50	25.95	206.8	1.07	0.27	1468.
75	4.73	32.78	75	25.97	205.2	1.59	0.60	1468.
100	4.71	32.80	99	25.99	203.6	2.10	1.05	1469.
125	4.74	33.59	124	26.61	145.0	2.54	1.55	1470.
150	4.50	33.78	149	26.79	128.4	2.87	2.02	1470.
175	4.28	33.80	174	26.83	124.9	3.19	2.54	1469.
200	4.09	33.82	199	26.86	121.8	3.49	3.13	1469.
225	3.97	33.85	223	26.90	118.5	3.79	3.78	1469.
250	3.93	33.88	248	26.93	115.9	4.09	4.49	1469.
300	3.84	33.94	298	26.98	110.8	4.65	6 • C7	1470.
400	3.78	34.07	397	27.10	101.0	,5.70	9.81	1471.
500	3.66	34.17	496	27.18	93.6	6.68	14.27	1472.
600	3.49	34.23	595	27.25	87.7	7.58	19.35	1473.
800	3.11	34.32	793	27.36	78.2	9.24	31.13	1475.
1000	2.83	34.38	990	27.43	72.0	10.74	44.87	1477.
1200	2.57	34.44	1188	27.50	65.9	12.11	60.20	1480.
1500	2.30	34.49	1483	27.56	61.0	14.00	86.15	1484.



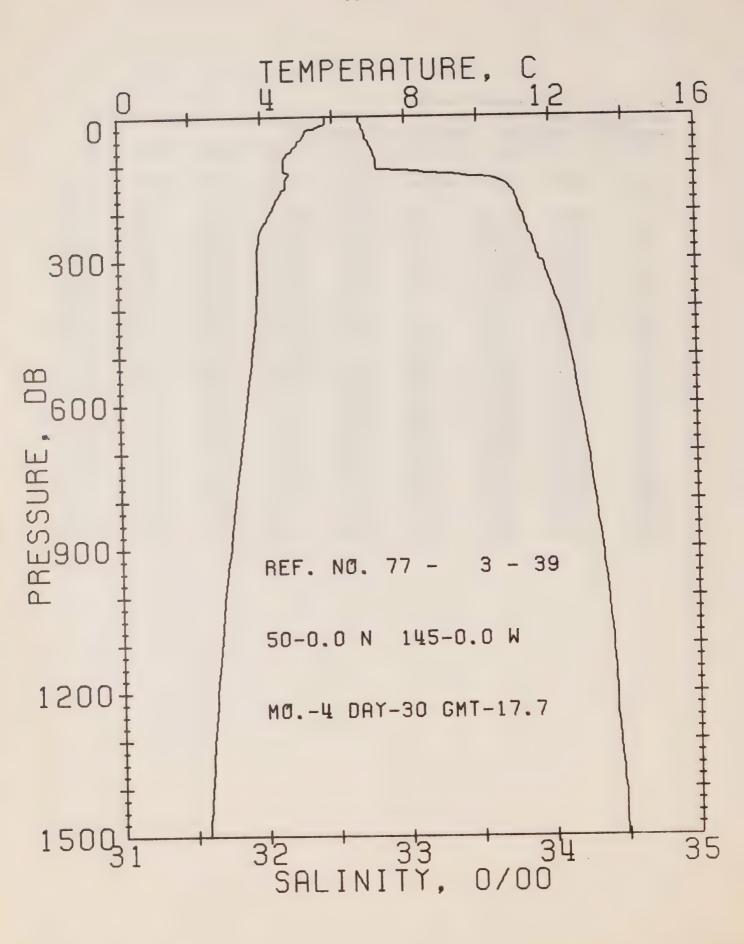
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 36 DATE 28/ 4/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 21.0
RESULTS OF STP CAST 165 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		C	EN	
0	5.75	32.70	С	25.79	221.3	0 • C	0.0	1471.
10	5.74	32.70	10	25.79	221.6	0.22	0.01	1471.
20	5.66	32.70	20	25.81	220.4	0.44	0.05	1471.
30	5.33	32.72	30	25.85	216.0	0.66	0.10	1470.
50	4.87	32.77	50	25.95	207.1	1.09	0.27	1468.
75	4.72	32.77	75	25.97	205.6	1.60	0.60	1468.
100	4.63	32.79	99	25.99	203.5	2.11	1.06	1468.
125	4.34	33.34	124	26.46	159.5	2.58	1.59	1468.
150	4.51	33.73	149	26.75	132.5	2.93	2.08	147C.
175	4.34	33.78	174	26.80	127.1	3.26	2.62	1469.
200	4.11	33.80	199	26.84	123.6	3.57	3.22	1469.
225	3.97	33.82	223	26.88	120.5	3.88	3.88	1469.
250	3.92	33.84	248	26.90	118.4	4.17	4.60	1469.
	3.91	33.92	298	26.96	113.0	4.75	6.22	1470.
300 400	3.79	34.05	397	27.08	102.6	5.82	10.03	1471.
	3.65	34.14	496	27.16	95.3	6.81	14.55	1472.
500	3.47	34.20	595	27.23	89.6	7.73	19.73	1473.
600	3.10	34.30	793	27.34	80.0	9.42	31.71	1475.
800		34.37	990	27.42	73.0	10.94	45.68	1477.
1000	2.80		1188	27.48	67.8	12.34	61.37	1480.
1200	2.58	34.42	1483	27.56	61.5	14.27	87.85	1483.
1500	2.28	34.48	1403	27.50	0103			



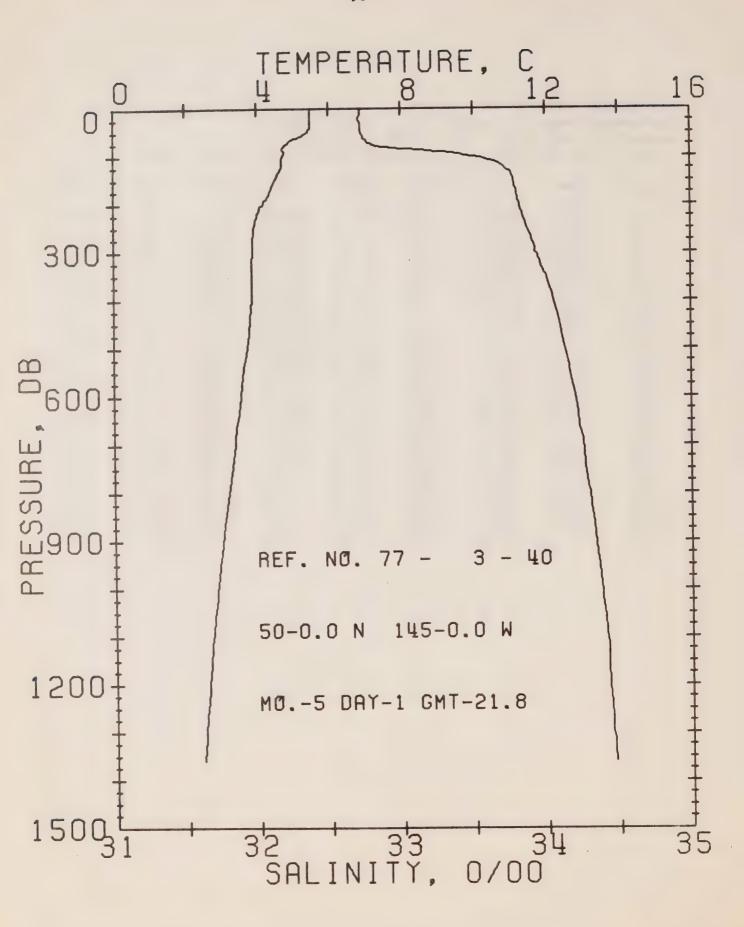
OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 38 DATE-29/ 4/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.5
RESULTS OF STP CAST 169 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	GNUGS
				Т		D	EN	
О	5.62	32.70	0	25.81	219.9	0.0	0.0	147C.
10	5.61	32.71	10	25.82	219.0	0.22	0.01	1471.
20	4.94	32.75	20	25.93	209.1	0.43	0.04	1468.
30	4.89	32.76	30	25.94	208.0	0.64	0.10	1468.
50	4.79	32.77	50	25.96	206.3	1.06	0.27	1468.
75	4.68	32.78	75	25.98	204.6	1.57	0.59	1468.
100	4.61	32.79	99	25.99	203.3	2.08	1.05	1468.
125	4.41	33.33	124	26.44	160.9	2.56	1.60	1468.
150	4.37	33.74	149	26.77	130.0	2.90	2.08	1469.
175	4.22	33.78	174	26.82	125.6	3.22	2.61	1465.
200	4.06	33.81	199	26.86	122.0	3.53	3.20	1469.
225	3.90	33.83	223	26.89	118.9	3.83	3.85	1469.
250	3.85	33.86	248	26.92	116.4	4.13	4.56	1469.
300	3.82	33.91	298	26.96	112.9	4.70	6.17	1470.
400	3.81	34.05	397	27.08	102.9	5.78	9.99	1471.
500	3.69	34.14	496	27.16	95.6	6.77	14.54	1473.
600	3.54	34.20	595	27.22	90.6	7.70	19.75	1474.
800	3.18	34.31	793	27.34	80.3	9.40	31.87	1476.
1000	2.85	34.38	990	27.43	72.5	10.93	45.83	1478.
1200	2.60	34.43	1188	27.49	67.3	12.32	61.38	1480.
1500	2.33	34.48	1483	27.55	62.1	14.24	87.84	1484.



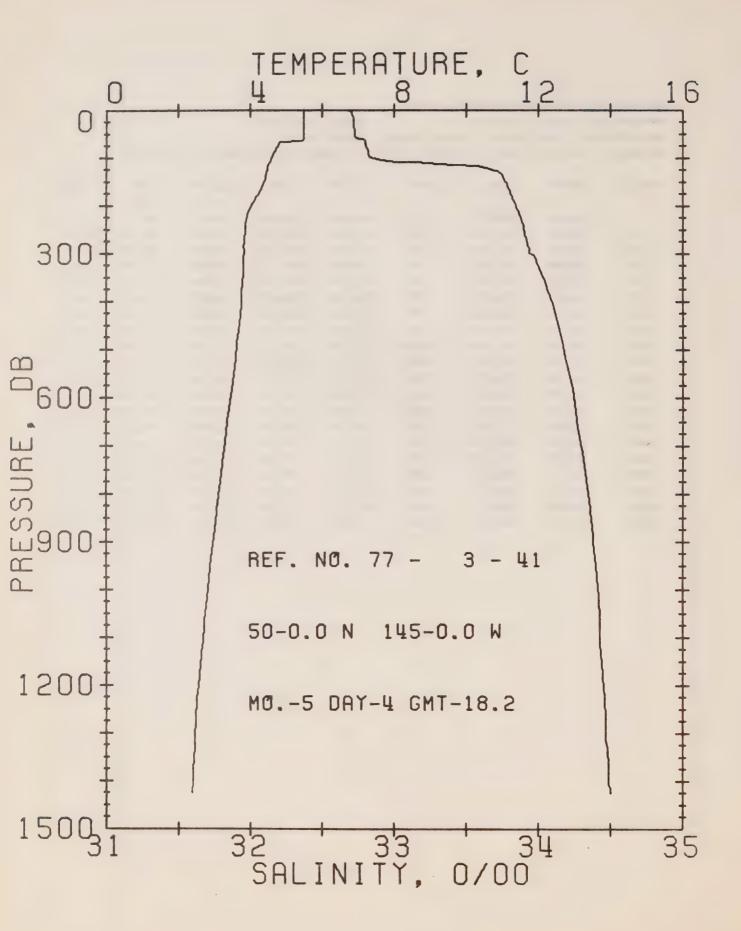
DEFSHORE OCEANEGRAPHY GROUP REFERENCE NO. 77- 3- 39 DATE 30/ 4/77 STATION P POSITION 50- 0.0N, 145- 0.0W GMT 17.7 RESULTS OF STP CAST 161 PCINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	5.80	32.69	C	25.78	222.7	0 • C	0.0	1471.
10	5.80	32.69	10	25.78	223.0	0.22	0.01	1471.
20	5.69	32.71	20	25.81	220.6	0.45	0.05	1471.
30	5.26	32.72	30	25.87	214.9	0.66	0.10	147C.
50	5.10	32.74	50	25.90	211.9	1.09	0.27	1469.
75	4.81	32.78	75	25.96	206.0	1.61	0.61	1468.
100	4.65	32.80	99	26.00	203.0	2.12	1.06	1468.
125	4.75	33.46	124	26.51	154.8	2.59	1.60	1470.
150	4.68	33.73	149	26.73	134.0	2.94	2.08	1470.
175	4.43	33.78	174	26.79	128.1	3.27	2.62	1470.
200	4.26	33.81	199	26.84	124.3	3.58	3.23	1470.
225	4.03	33.83	223	26.88	120.3	3.89	3.89	1469.
250	3.92	33.87	248	26.92	116.3	4.18	4.61	1469.
300	3.87	33.92	298	26.97	112.6	4.75	6.21	1470.
400	3.84	34.06	397	27.08	102.4	5.82	10.01	1471.
500	3.70	34.14	496	27.16	95.7	6.81	14.53	1473.
600	3.52	34.20	595	27.22	90.5	7.74	19.75	1474.
800	3.19	34.30	<b>7</b> 93	27.33	80.9	9.45	31.92	1476.
		34.38	990	27.43	72.7	10.98	45.94	1478.
1000	2.85				67.3	12.38	61.56	1480.
1200	2.60	34.43	1188	27.49				1484.
1500	2.30	34.49	1483	27.56	61.0	14.30	87.98	1404.

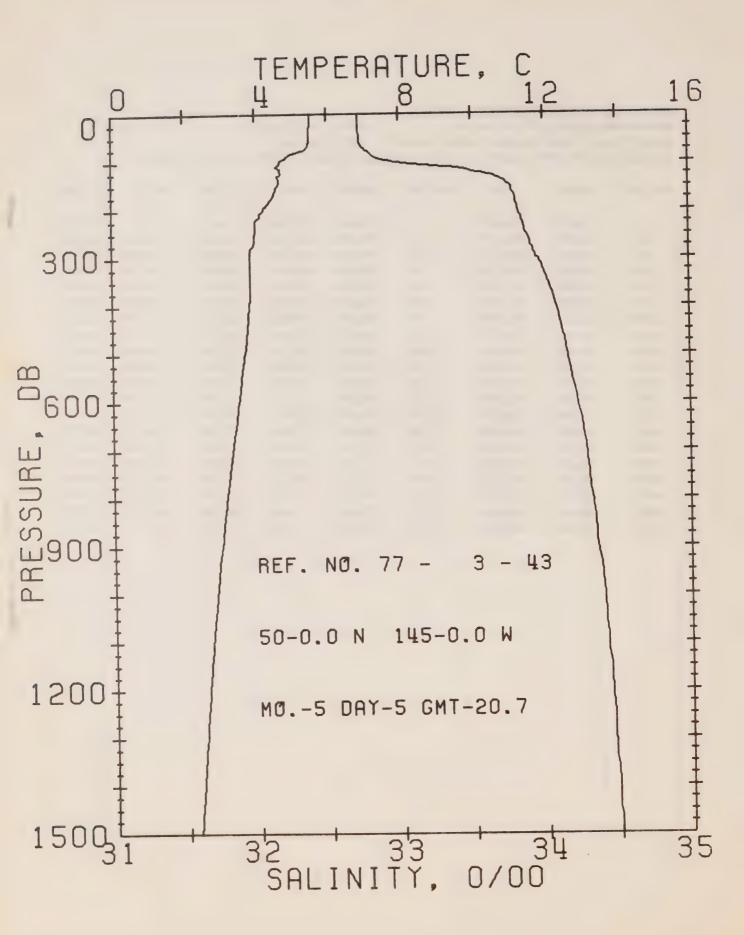


OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 40 DATE 1/ 5/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 21.8
RESULTS OF STP CAST 153 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PaT.	SOUND
				Т		D	EN	
0	5.48	32.72	С	25.84	216.8	0.0	0.0	1470.
10	5.49	32.72	10	25.84	217.2	0.22	0.01	147C.
20	5.49	32.71	20	25.83	217.8	0.43	0.04	147C.
30	5.49	32.72	30	25.84	217.7	0.65	0.10	1470.
50	5.40	32.72	50	25.85	216.3	1.09	0.28	1470.
<b>7</b> 5	4.80	32.80	75	25.98	204.3	1.61	0.61	1463.
100	4.71	33.50	99	26.54	151.1	2.06	1.01	1469.
125	4.67	33.73	124	26.73	134.0	2.41	1.41	1470.
150	4.50	33.78	149	26.79	128.3	2.74	1.86	1470.
175	4.33	33.80	174	26.82	125.3	3.05	2.39	1470.
200	4.15	33.82	199	26.86	122.1	3.36	2.98	1469.
225	3.99	33.84	223	26.89	118.9	3.66	3.63	1469.
250	3.89	33.87	248	26.93	116.0	3.96	4.34	1469.
300	3.87	33.93	298	26.97	111.9	4.53	5.93	1470.
400	3.83	34.06	397	27.08	102.9	5.59	9.74	1471.
500	3.70	34.13	496	27.15	96.5	6.59	14.30	1473.
600	3.51	34.20	595	27.22	90.2	7.52	19.52	1474.
800	3.17	34.30	793	27.34	80.5	9.23	31.69	1475.
1000	2.85	34.38	990	27.43	72.6	10.76	45.69	1477.
1200	2.59	34.43	1188	27.49	67.2	12.15	61.24	1480.



PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				Т		D	EN	
0	5.49	32.69	O	25.82	219.2	0 • C	0.0	1470.
10	5.50	32.71	10	25.83	218.1	0.22	0.01	147C.
20	5.50	32.72	20	25.84	217.5	0.44	0.04	147C.
30	5.50	32.72	30	25.84	217.6	0.65	0.10	1471.
50	5.50	32.73	50	25.85	217.0	1.09	0.28	1471.
75	4.74	32.81	75	25.99	203.0	1.62	0.61	1468.
100	4.59	32.85	99	26.04	198.6	2.12	1.06	1468.
125	4.47	33.70	124	26.73	133.8	2.53	1.53	1469.
150	4.38	33.78	149	26.80	127.4	2.86	1.98	1469.
175	4.21	33.81	174	26.84	123.3	3.17	2.50	1469.
200	4.03	33.85	199	26.89	118.9	3.47	3.08	1469.
225	3.90	33.88	223	26.93	115.3	3.77	3.72	1469.
250	3.86	33.90	248	26.95	113.7	4 · C5	4.41	1469.
300	3.83	33.95	298	26.99	110.2	4.61	5.97	1470.
400	3.75	34.09	397	27.12	99.2	5.65	9.67	1471.
500	3.61	34.18	496	27.20	92.1	6.60	14.04	1472.
600	3.46	34.25	595	27.27	86.1	7.49	19.02	1473.
800	3.13	34.35	793	27.38	76.7	9.12	30.58	1475.
1000	2.82	34.42	990	27.46	69.5	10.58	43.94	1477.
1200	2.56	34.45	1188	27.51	65.0	11.93	59.04	1480.
2 - 0 0								

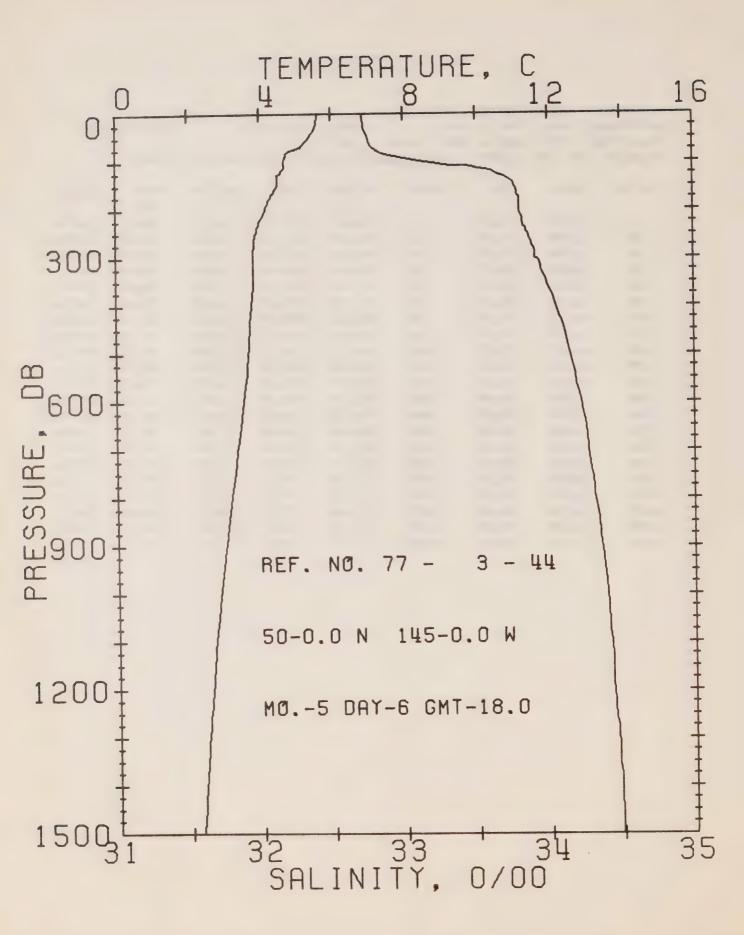


DEFSHORE OCEANCGRAPHY GROUP.

REFERENCE ND. 77- 3- 43 DATE 5/ 5/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 20.7

RESULTS OF STP CAST 176 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	CLLTA	POT.	SJUND
				T		D	EN	
0	5.55	32.72	0	25.83	217.6	0.0	0.0	147C.
10	5.54	32.72	10	25.83	217.8	0.22	0.01	147C.
20	5.54	32.72	20	25.83	217.8	0.44	0.04	1471.
30	5.53	32.72	30	25.83	217.9	0.65	0.10	1471.
50	5.52	32.73	50	25.84	217.3	1.09	0.28	1471.
75	5.37	32.77	75	25.89	212.8	1.63	0.62	1471.
100	4.68	32.97	39	26.12	190.9	2.14	1.07	1469.
125	4.70	33.62	124	26.64	142.2	2.54	1.54	1470.
150	4.62	33.77	149	26.77	130.1	2.88	2.01	1470.
175	4.45	33.81	174	26.82	125.8	3.20	2.54	1470.
500	4.21	33.82	199	26.85	122.8	3.51	3.14	1469.
225	4.01	33.85	223	26.90	118.4	3.81	3.79	1469.
250	3.98	33.88	248	26.92	116.3	4.11	4.5C	1469.
300	3.83	33.95	298	26.99	110.0	4.67	6.08	1470.
400	3.82	34.08	397	27.10	100.9	5.72	9.81	1471.
500	3.67	34.16	496	27.17	94.4	5.70	14.28	1473.
600	3.49	34.23	595	27.25	88.2	7.61	19.39	1473.
800	3.13	34.33	793	27.36	78.3	9.27	31.20	1475.
1000	2.83	34.40	990	27.45	70.9	10.76	44.86	1477.
1200	2.59	34.45	1188	27.51	65.6	12.13	60.18	1480.
1500	2.30	34.50	1483	27.57	60.3	14.C2	86.08	1484.

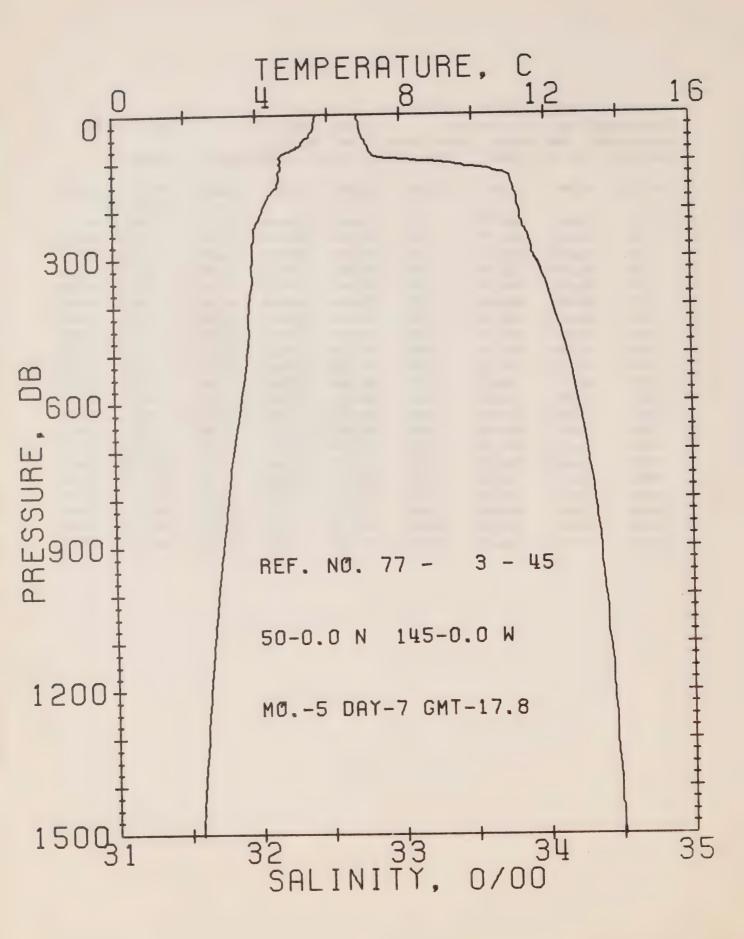


OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 3- 44 DATE 6/ 5/77 STATION P POSITION 50- 0.0N. 145- 0.0W GMT 18.0

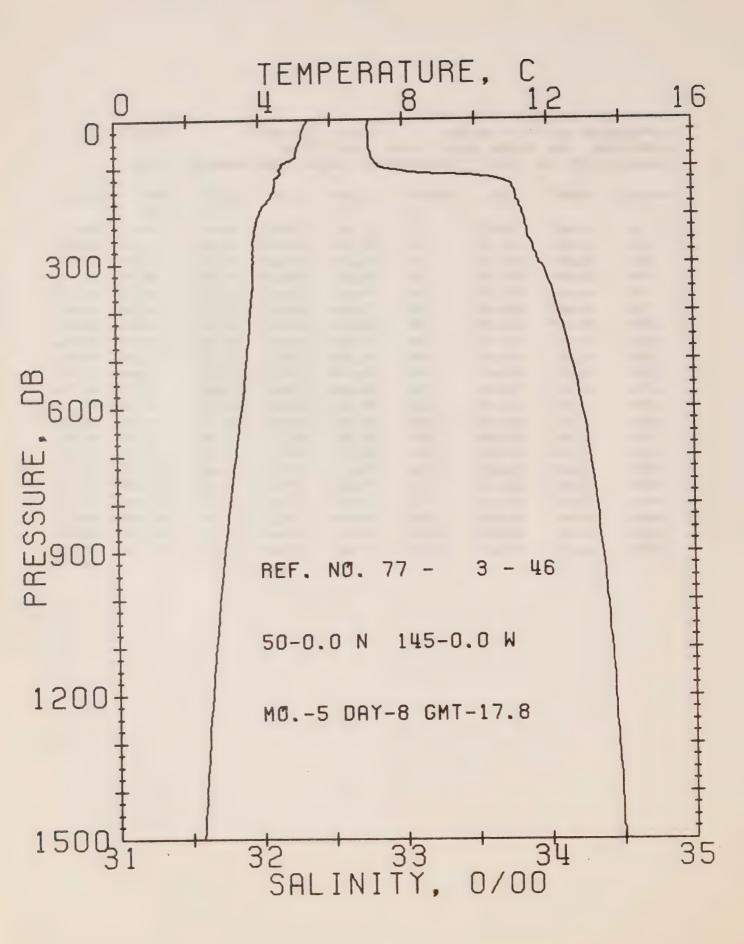
RESULTS OF STP CAST 163 POINTS TAKEN FROM ANALEG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	CELTA	POT.	SGUND
				T		Ü	EN	
0	5.62	32.72	0	25.82	218.3	0.0	0.0	1471.
10	5.62	32.72	10	25.82	218.7	0.22	0.01	1471.
20	5.60	32.73	20	25.83	217.9	0.44	0.04	1471.
30	5.56	32.73	30	25.84	217.5	0.65	0.10	1471.
50	5.38	32.75	50	25.88	214.2	1.09	0.28	1470.
75	4.89	32.81	75	25.98	204.5	1.61	0.61	1469.
100	4.67	33.16	95	26.28	176.2	2.10	1.04	1469.
125	4.54	33.65	124	26.68	138.3	2.48	1.48	1469.
150	4.48	33.77	149	26.78	129.1	2.81	1.94	1470.
175	4.28	33.80	174	26.83	124.8	3.13	2.47	1469.
200	4.15	33.80	199	26.84	123.7	3.44	3.06	1469.
225	3.98	33.82	223	26.88	120.6	3.75	3.72	1469.
250	3.88	33.86	248	26.92	117.0	4.04	4.44	1469.
300	3.82	33.91	298	26.96	112.9	4.62	6.04	1470.
400	3.76	34.05	397	27.08	102.9	5.69	9.87	1471.
500	3.66	34.15	496	27.17	95.2	6.67	14.38	1472.
600	3.51	34.22	595	27.24	88.6	7.59	19.53	1474.
800	3.17	34.31	793	27.35	79.6	9.27	31.47	1475.
1000	2.84	34.40	990	27.44	71.2	10.77	45.20	1477.
1200	2.59	34.43	1188	27.49	66.8	12.15	60.59	1480.
1500	2.28	34.49	1483	27.57	60.7	14.04	86.66	1483.



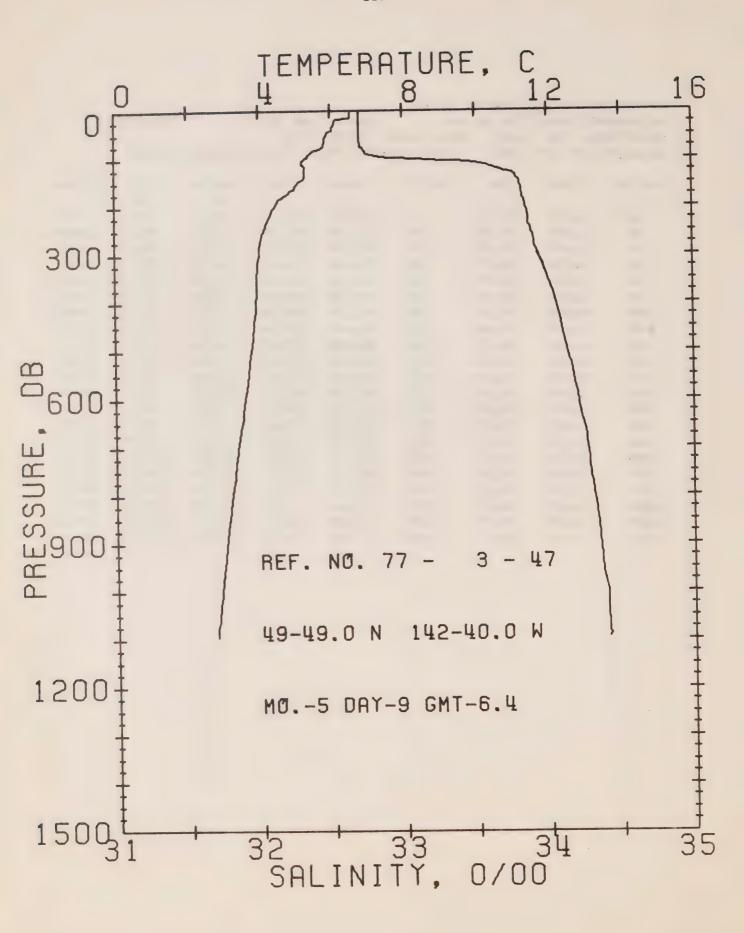
OFFSHORE JCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 45 DATE 7/ 5/77 STATION P
PGSITION 50- 0.0N. 145- 0.0W GMT 17.8
RESULTS OF STP CAST 191 POINTS TAKEN FROM ANALCG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	5.67	32.71	0	25.81	219.7	0.0	0.0	1471.
10	5.65	32.71	10	25.81	219.7	0.22	0.01	1471.
20	5.64	32.72	20	25.82	218.9	0.44	0.04	1471.
30	5.61	32.72	30	25.82	218.8	0.60	0.10	1471.
50	5.38	32.75	50	25.88	214.2	1.09	0.28	1470.
75	4.96	32.79	75	25.96	206.8	1.62	0.61	1469.
100	4.67	33.33	99	26.41	163.4	2.10	1.04	1469.
125	4.64	33.74	124	26.75	132.3	2.47	1.46	147C.
150	4.57	33.78	149	26.78	129.1	2.79	1.92	1470.
175	4.28	33.81	174	26.84	124.1	3.11	2.44	1469.
200	4.15	33.82	199	26.86	122.0	3.42	3.03	1469.
225	3.98	33.84	223	26.89	119.2	3.72	3.68	1469.
250	3.93	33.88	248	26.93	115.9	4 . C1	4.39	1469.
300	3.86	33.92	298	26.97	112.5	4.58	5.99	1470.
400	3.76	34.05	397	27.08	102.5	5.65	9.79	1471.
500	3.68	34.15	496	27.16	95.5	6.64	14.32	1473.
600	3.50	34.22	595	27.24	89.0	7.56	19.47	1474.
800	3.11	34.33	793	27.36	77.8	9.22	31.27	1475.
1000	2.82	34.40	990	27.44	71.1	10.71	44.88	1477.
1200	2.57	34.45	1188	27.51	65.6	12.07	60.14	1480.
1500	2.29	34.51	1483	27.58	59.4	13.94	85.90	1484.



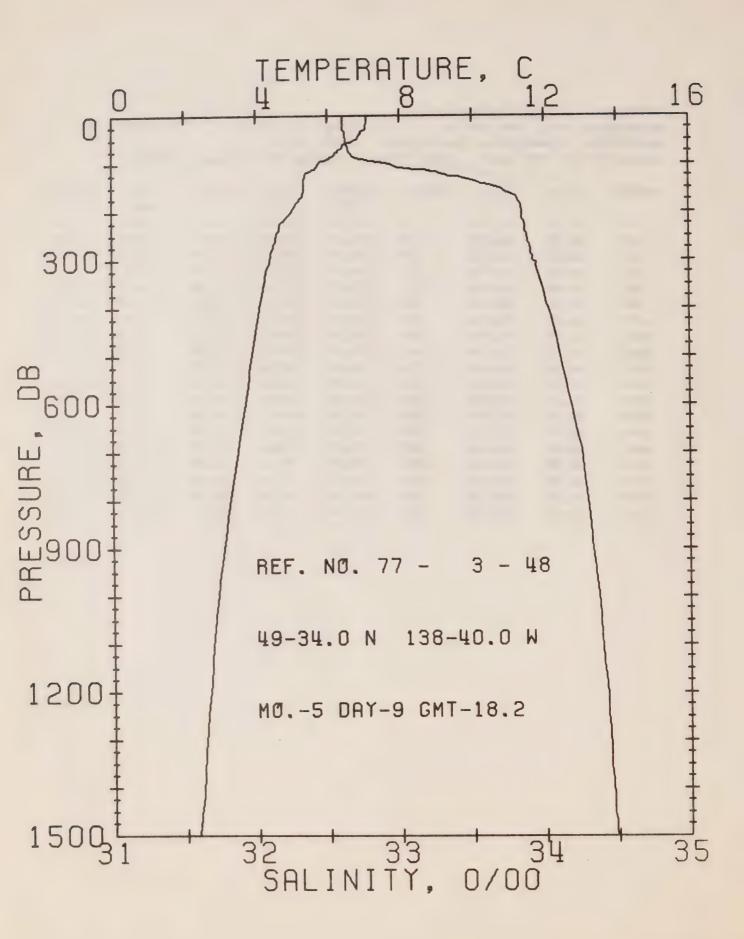
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 46 DATE 8/ 5/77 STATION P
POSITION 50- C.ON, 145- O.OW GMT 17.8
RESULTS OF STP CAST 149 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		O	EN	
0	5.36	32.77	0	25.89	211.7	0.0	0.0	1470.
10	5.32	32.77	10	25.90	211.8	0.21	0.01	1469.
20	5.24	32.76	20	25.90	211.6	0.42	0.04	1469.
30	5.19	32.77	30	25.91	210.4	0.63	0.10	1409.
50	5.14	32.77	50	25.92	210.1	1.06	0.27	1469.
75	5.04	32.78	75	25.94	208.5	1.58	0.60	1469.
100	4.60	32.86	99	26.05	198.0	2.09	1.06	1468.
125	4.46	33.65	124	26.69	137.2	2.51	1.54	1469.
150	4.40	33.78	149	26.8C	127.4	2.84	2.00	1469.
175	4.20	33.80	174	26.84	123.6	3.16	2.52	1469.
200	3.99	33.83	199	26.88	119.5	3.40	3.10	1468.
225	3.89	33.85	223	26.91	117.2	3.75	3.74	1469.
250	3.83	33.88	248	26.93	115.2	4.04	4.44	1469.
300	3.82	33.94	298	26.99	110.6	4.61	6.02	1470.
400	3.74	34.07	397	27.10	100.8	5.66	9.75	1471.
500	3.61	34.16	496	27.18	93.7	6.63	14.19	1472.
600	3.48	34.23	595	27.25	87.7	7.53	19.27	1473.
008	3.12	34.33	793	27.36	78.0	9.18	31.01	1475.
1000	2.82	34.40	990	27.44	71.0	10.67	44.64	1477.
1200	2.58	34.44	1188	27.5C	66.0	12.04	59.93	1480.
1500	2.30	34.50	1483	27.57	60.3	13.92	85.86	1484.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 47 DATE 9/ 5/77 STATION 12
POSITION 49-49.0N. 142-40.0W GMT 6.4
RESULTS OF STP CAST 162 POINTS TAKEN FROM ANALOG TRACE

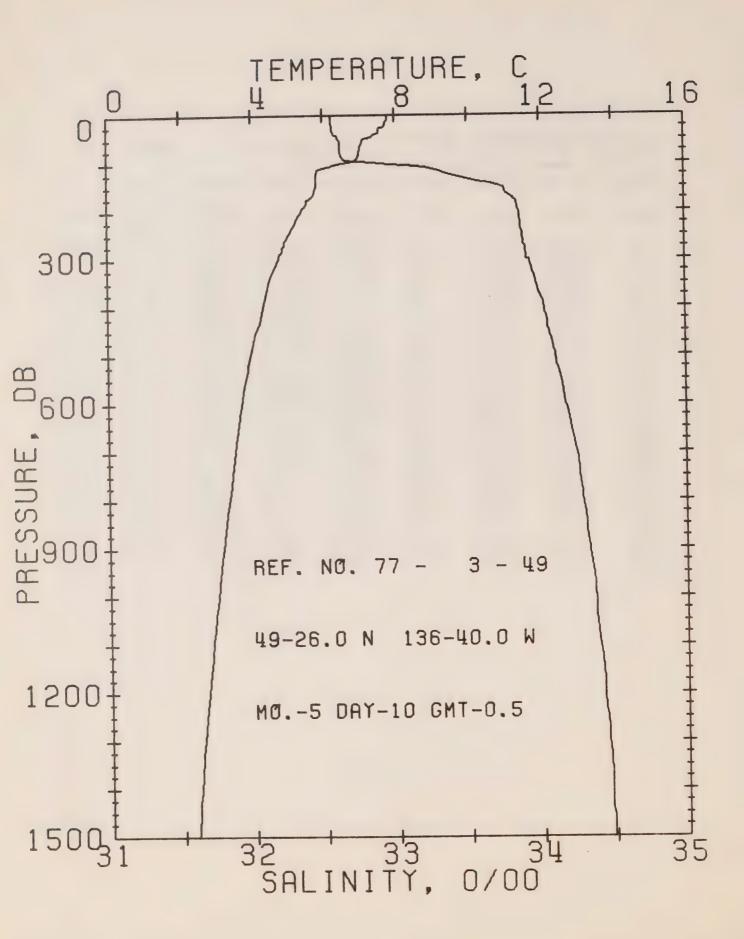
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	CELTA	PCT.	SOUND
				Т		D	EN	
0	6.55	32.70	0	25.69	230.8	0.0	0.0	1474.
10	6.55	32.70	10	25.69	231.2	0.23	0.01	1474.
20	6.13	32.70	20	25.75	226.2	0.46	0.05	1473.
30	6.08	32.70	30	25.75	225.8	0.69	0.10	1473.
50	5.88	32.70	50	25.78	223.6	1.14	0.29	1472.
75	5.79	32.71	75	25.80	222.1	1.69	0.64	1472.
100	5.29	33.02	99	26.10	193.5	2.23	1.12	1471.
125	5.29	33.71	124	26.64	142.1	2.62	1.57	1473.
150	5.10	33.81	149	26.75	132.7	2.96	2.05	1472.
175	4.74	33.83	174	26.80	127.4	3.29	2.58	1471.
200	4.43	33.85	199	26.85	122.8	3.60	3.18	147C.
225	4.26	33.87	223	26.89	119.7	3.91	3.84	1470.
250	4.12	33.89	248	26.92	117.1	4.20	4.56	1470.
300	3.99	33.93	298	26.96	113.1	4.78	6.17	1470.
400	3.90	34.06	397	27.07	103.6	5 • 85	10.00	1472.
500	3.76	34.13	496	27.14	97.2	6 • 86	14.60	1473.
600	3.58	34.20	595	27.22	90.6	7.80	19.85	1474.
800	3.20	34.31	793	27.34	80.0	9.49	31.94	1476.
1000	2.88	34.40	990	27.44	71.4	11.01	45.83	1478.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 48 DATE 9/ 5/77 STATION 10
PCSITION 49-34.0N. 138-40.0W GMT. 18.2

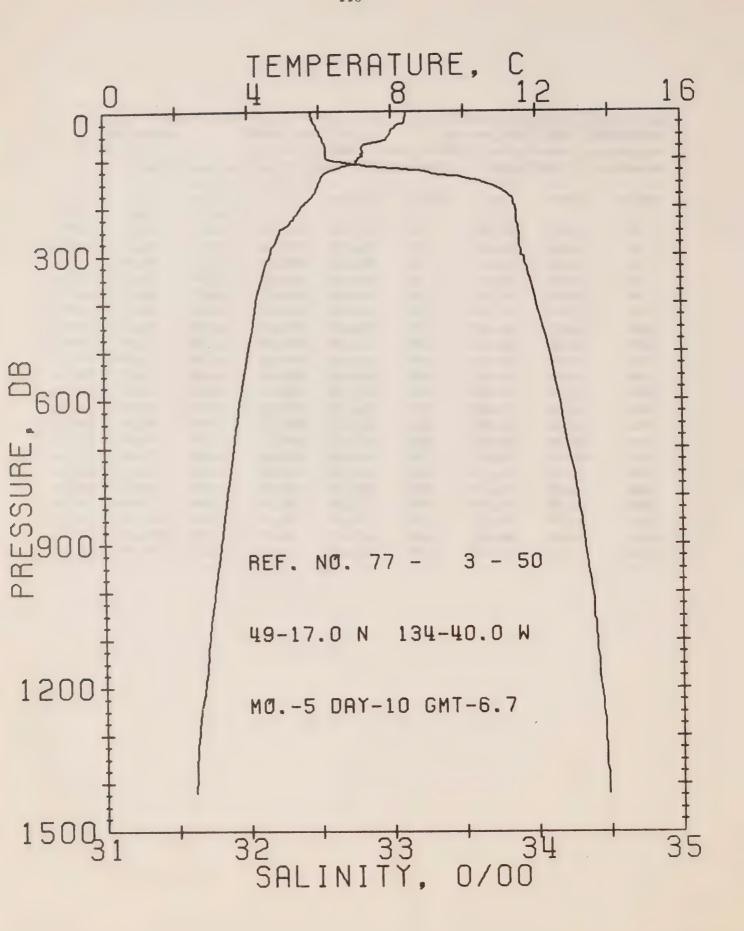
RESULTS OF STP CAST 169 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				T		D	EN	
0	7.09	32.61	С	25.55	244.4	0 • C	0.0	1476.
10	7.09	32.61	10	25.55	244.7	0.24	0.01	1476.
20	7.08	32.61	20	25.55	244.7	0.49	0.05	1477.
30	7.06	32.61	30	25.56	244.5	0.73	0.11	1477.
50	6.81	32.63	50	25.60	240.1	1.22	0.31	1476.
75	0.27	32.65	75	25.69	232.2	1.81	86.0	1474.
100	5.74	32.91	99	25.96	206.5	2.37	1.18	1473.
125	5.36	33.34	124	26.34	170.5	2.84	1.72	1472.
150	5.34	33.68	149	26.62	145.1	3.23	2.27	1473.
175	5.21	33.82	174	26.74	133.6	3.58	2.84	1473.
200	4.97	33.85	199	26.79	128.8	3.90	3.47	1473.
225	4.67	33.86	223	26.84	124.6	4.22	4.15	1472.
250	4.56	33.88	248	26.86	122.5	4.53	4.90	1472.
300	4.37	33.92	298	26.91	117.9	5.13	6.58	1472.
400	4.08	34.02	397	27.03	107.9	6.25	10.58	1472.
500	3.87	34.11	496	27.12	100.1	7.29	15.32	1473.
600	3.68	34.18	595	27.19	93.4	8.26	20.75	1474.
800	3.25	34.30	793	27.33	81.7	10.00	33.13	1476.
1000	2.90	34.37	990	27.42	73.7	11.55	47.36	1478.
1200	2.66	34.43	1188	27.48	68.1	12.98	63.31	1430.
1500	2.33	34.49	1484	27.56	61.4	14.53	90.12	1484.



OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 49 DATE 10/ 5/77 STATION 9
POSITION 49-26.0N, 136-40.0W GMT 0.5
RESULTS OF STP CAST 166 PUINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SUUND
				T		D	EN	
0	7.81	32.55	0	25.4C	258.3	0.0	0.0	1479.
10	7.80	32.56	10	25.41	257.8	0.26	0.01	1479.
20	7.74	32.56	20	25.42	257.0	0.52	0.05	1479.
30	7.57	32.57	30	25.45	254.2	0.77	0.12	1479.
50	7.13	32.61	50	25.55	245.7	1.27	0.32	1477.
75	7.02	32.62	75	25.57	243.9	1.88	0.71	1477.
100	6.65	32.87	99	25.81	220.8	2.48	1.25	1476.
125	5.82	33.38	124	26.32	172.5	2.96	1.78	1474.
150	5.81	33.74	149	26.61	146.1	3.35	2.34	1475.
175	5.60	33.82	174	26.69	138.0	3.71	2.93	1475.
200	5.39	33.86	199	26.75	133.1	4.05	3.57	1474.
225	5.20	33.87	223	26.78	130.1	4.37	4.28	1474.
250	5.01	33.88	248	26.81	127.5	4.70	5.06	1474.
300	4.74	33.91	298	26.87	122.7	5.32	6.81	1473.
400	4.29	34.02	397	27.01	110.2	6.48	10.92	1473.
500	3.93	34.10	496	27.10	101.3	7.53	15.77	1474.
600	3.68	34.17	595	27.18	94.4	8.51	21.24	1474.
800	3.32	34.29	793	27.31	83.3	10.28	33.79	1476.
1000	2.97	34.37	990	27.41	74.9	11.85	48.20	1478.
1200	2.69	34.42	1188	27.47	69.0	13.29	64.27	1480.
1500	2.35	34.48	1484	27.55	62.3	15.23	90.99	1484.

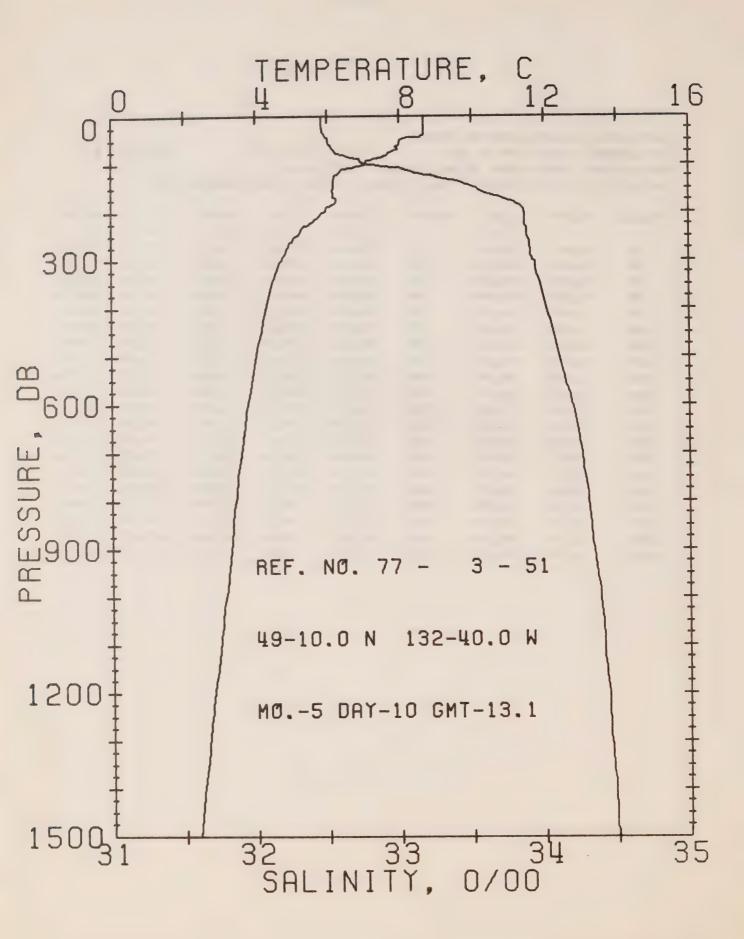


OFFSHORE OCEANCGRAPHY GROUP

REFERENCE NO. 77- 3- 50 DATE 10/ 5/77 STATION 8
POSITION 49-17.0N. 134-40.0W GMT 6.7

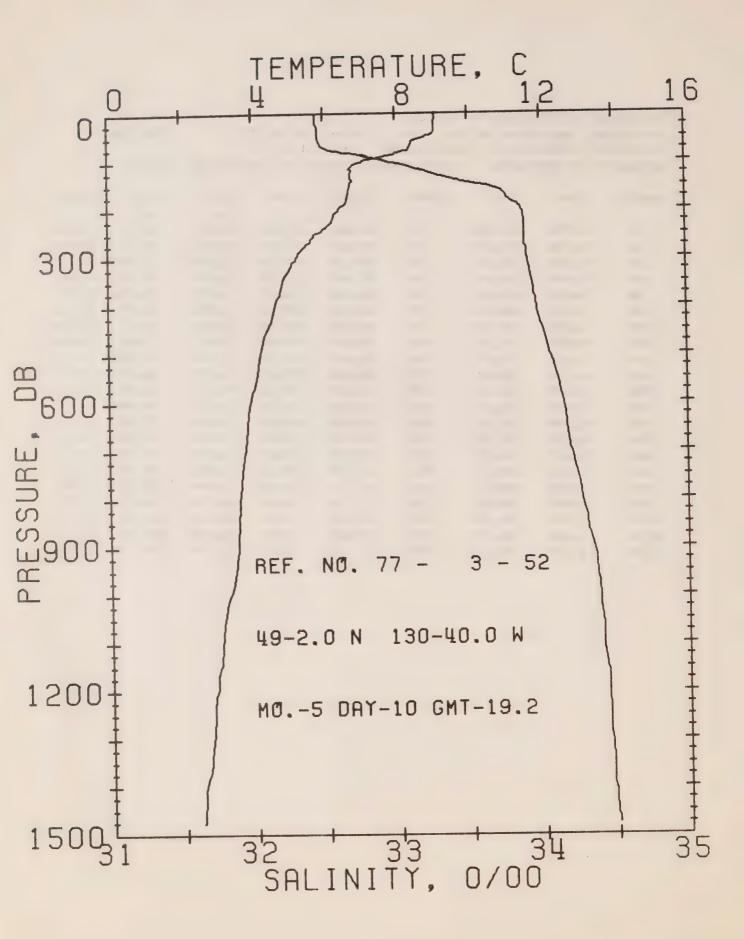
RESULTS OF STP CAST 189 PCINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	8.42	32.45	0	25.24	274.2	0 • C	0.0	1481.
10	8.42	32.45	10	25.24	274.6	0.27	0.01	1481.
20	8.40	32.46	20	25.25	273.9	0.55	0.06	1481.
30	8.14	32.48	30	25.30	268.7	0.82	0.13	1481.
50	7.94	32.51	50	25.35	264.0	1.35	0.34	1480.
75	7.18	32.55	75	25.49	251.2	2.00	0.75	1478.
100	7.06	32.57	99	25.52	248.4	2.63	1.31	1478.
125	6.25	33.23	124	26.15	189.3	3.19	1.95	1476.
150	5.99	33.66	149	26.52	154.3	3.61	2.55	1476.
175	5.82	33.82	174	26.67	140.6	3.98	3.15	1476.
200	5.48	33.86	199	26.74	133.9	4.32	3.81	1475.
225	5.25	33.87	223	26.78	130.7	4.65	4.52	1474.
250	4.90	33.88	248	26.83	125.9	4.97	5.30	1473.
300	4.61	33.90	298	26.87	122.0	5.59	7.03	1473.
400	4.22	34.00	397	26.99	111.1	6.75	11.15	1473.
500	3.99	34.09	496	27.09	103.1	7.82	16.05	1474.
600	3.75	34.16	595	27.17	96.0	8.81	21.62	1474.
800	3.38	34.28	793	27.30	84.2	10.62	34.46	1476.
1000	3.03	34.38	990	27.41	74.4	12.21	49.C1	1478.
1200	2.74	34.44	1188	27.48	68.4	13.64	65.00	1480.



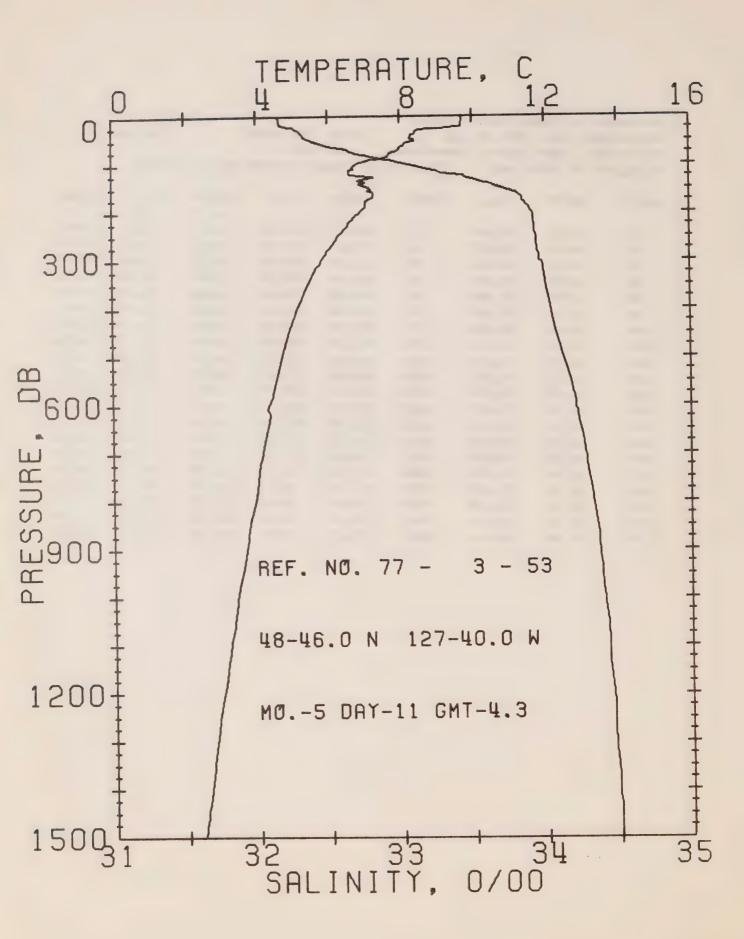
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 51 DATE 10/ 5/77 STATION 7
PCSITION 49-10.0N. 132-40.0W GMT 13.1
RESULTS OF STP CAST 197 POINTS TAKEN FROM ANALCG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		Ü	ė.N	
0	8.70	32.46	0	25.20	277.5	0.0	0.0	1482.
10	8.70	32.46	10	25.20	277.8	0.28	0.01	1482.
20	8.70	32.46	20	25.20	278.C	0.56	0.06	1483.
30	8.70	32.47	30	25.21	277.6	0.83	0.13	1483.
50	8.03	32.50	50	25.33	266.0	1.38	0.35	1481.
75	7.79	32.55	75	25.41	259.1	2.04	0.77	1480.
100	7.04	32.79	99	25.70	231.8	2.65	1.31	1478.
125	6.19	33.25	124	26.17	187.C	3.17	1.90	1476.
150	615	33.53	149	26.40	165.7	3.61	2.52	1476.
175	6.26	33.76	174	26.56	150.5	4.00	3.17	1477.
200	5.89	33.86	199	26.69	138.8	4.36	3.86	1476.
225	5.49	33.87	223	26.75	133.5	4.70	4.59	1475.
250	5.09	33.88	248	26.80	128.4	5.03	5.38	1474.
300	4.71	33.92	298	26.88	121.6	5.65	7.13	1473.
400	4.27	34.02	397	27.00	110.5	6.80	11.23	1473.
500	3.98	34.10	496	27.10	101.8	7.86	16.08	1474.
600	3.76	34.19	595	27.19	93.5	8.84	21.55	1475.
800	3.42	34.30	793	27.31	83.3	10.59	34.02	1477.
1000	3.13	34.38	990	27.40	75.6	12.18	48.58	1479.
1200	2.80	34.44	1188	27.48	68.6	13.63	64.77	1481.
1500	2.37	34.50	1484	27.57	61.1	15.58	91.55	1484.



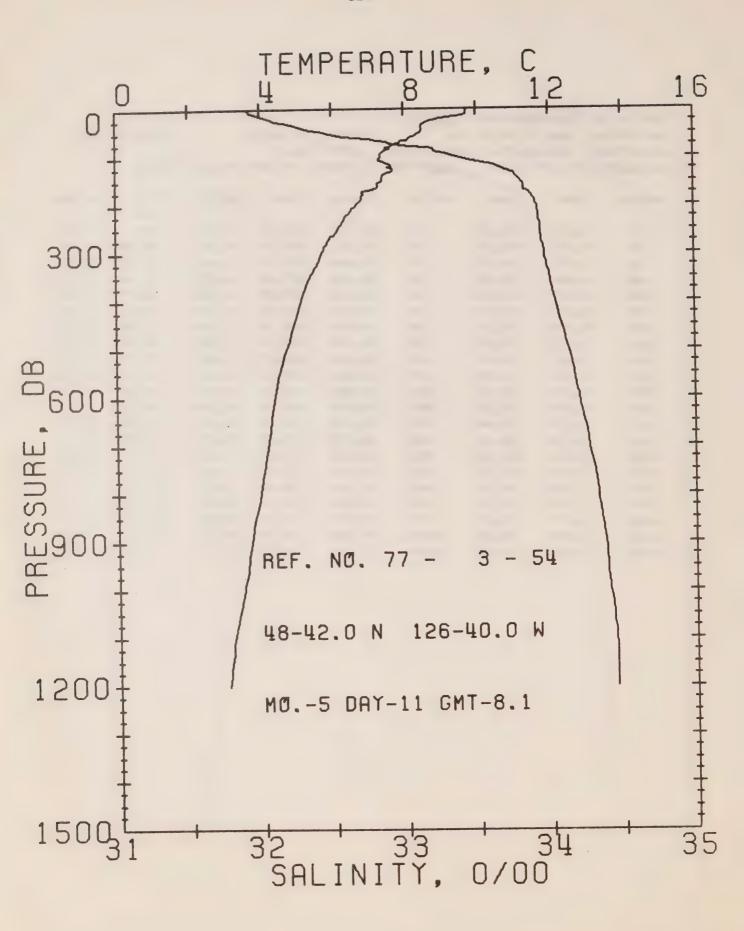
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 52 DATE 10/ 5/77 STATION 6
POSITION 49- 2.0N. 130-40.0W GMT 19.2
RESULTS OF STP CAST 231 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	FOT.	SJUND
FREGE				T		D	EN	
0	9.10	32.45	0	25.13	284.1	0.0	0.0	1484.
10	9.11	32.45	10	25.13	284.7	0.28	0.01	1484.
20	9.10	32.45	20	25.13	284.6	0.57	0.06	1484.
30	9.09	32.46	30	25.14	283.9	0.85	0.13	1484.
50	8.83	32.46	50	25.18	280.4	1.42	0.36	1484.
75	8.35	32.54	75	25.32	268.0	2.11	0.80	1482.
100	7.08	32.93	99	25.81	221.6	2.72	1.34	1478.
125	6.74	33.25	124	26.10	194.0	3.23	1.93	1478.
150	6.73	33.60	149	26.38	168.2	3.69	2.57	1479.
175	6.65	33.77	174	26.52	154.7	4.09	3.23	1479.
200	6.40	33.87	199	26.63	144.4	4.46	3.94	1478.
225	6.21	33.89	223	26.67	140.9	4.82	4.71	1478.
250	5.74	33,89	248	26.73	135.3	5.16	5.55	1477.
300	5.20	33.90	298	26.81	128.7	5.82	7.40	1475.
400	4.61	33.97	397	26.92	118.1	7.05	11.76	1475.
500	4.18	34.05	496	27.04	107.5	8.18	16.93	1475.
600	3.89	34.15	595	27.15	98.1	9.20	22.68	1475.
800	3.58	34.27	793	27.27	87.5	11.07	35.94	1477.
1000	3.29	34.39	991	27.40	76.7	12.71	50.97	1479.
1200	2.89	34.44	1188	27.47	69.7	14.16	67.26	1481.
2 - 00								



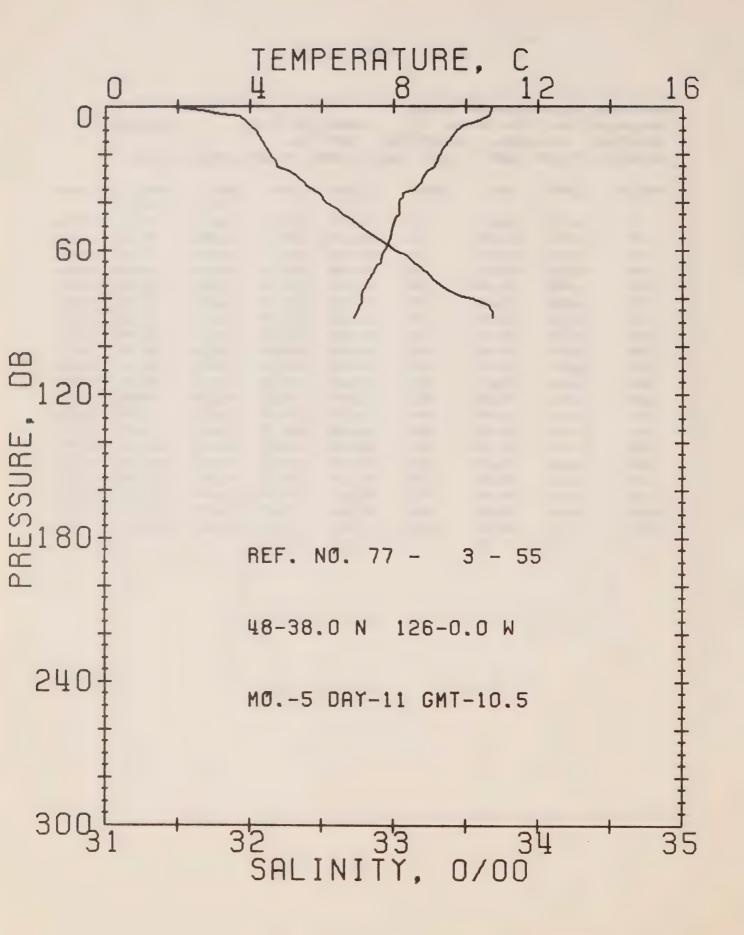
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 3- 53 DATE 11/ 5/77 STATION 4
POSITION 48-46.CN, 127-40.CW GMT 4.3
RESULTS OF STP CAST 187 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	CAUCS
				T		D	EN	
0	9.71	32.15	0	24.80	315.7	0.0	0.0	1486.
10	9.72	32.16	10	24.81	315.4	0.32	0.02	1480.
20	9.71	32.20	20	24.84	312.5	0.63	0.06	1486.
30	8.48	32.29	3 C	25.11	287.4	0.93	0.14	1482.
50	8.37	32.38	50	25.19	279.8	1.50	0.37	1482.
75	7.79	32.67	75	25.50	250.5	2.16	0.79	1480.
100	6.78	33.06	99	25.95	208.3	2.74	1.30	1477.
125	7.19	33.45	124	26.20	185.0	3.22	1.86	1480.
150	7.17	33.71	149	26.40	165.7	3.65	2.46	1480.
175	7.09	33.85	174	26.53	154.5	4.05	3.12	1481.
200	6.88	33.91	199	26.60	147.8	4.43	3.85	1480.
225	6.55	33.93	223	26.66	142.4	4.79	4.63	1480.
250	6.25	33.94	248	26.71	138.1	5.14	5.48	1479.
300	5.78	33.96	298	26.78	131.2	5.82	7.37	1478.
400	5.12	34.04	397	26.92	118.8	7.06	11.79	1477.
500	4.68	34.12	496	27.04	108.2	8.19	16.98	1477.
600	4.30	34.21	595	27.15	98.2	9.23	22.76	1477.
800	3.91	34.32	793	27.28	87.2	11.08	35.96	1479.
1000	3.40	34.40	991	27.39	77.2	12.72	50.93	1480.
1200	2.98	34.46	1188	27.48	69.6	14.19	67.39	1481.
1500	2.42	34.5C	1484	27.56	61.6	16.15	94.35	1484.
	to V to	0.00						



OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 3- 54 DATE 11/ 5/77 STATION 3
POSITION 48-42.0N. 126-40.0W GMT 8.1
RESULTS OF STP CAST 183 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		O	EN	
0	9.75	31.91	0	24.61	334.0	0 • C	0 • C	1486.
10	9.74	31.95	10	24.64	331.1	0.33	0.02	1486.
20	9.11	32.05	20	24.82	314.6	0.66	0.07	1484.
30	8.61	32.17	30	24.99	298.0	0.96	0.14	1482.
50	8.46	32.46	50	25.24	275.0	1.54	0.38	1482.
75	7.69	32.96	75	25.74	227.3	2.17	0.78	1480.
100	7.35	33.37	99	26.11	192.7	2.68	1.24	1480.
125	7.65	33.68	124	26.32	173.8	3.14	1.76	1482.
150	7.37	33.80	149	26.45	161.5	3.55	2.34	1481.
175	6.82	33.86	174	26.57	150.0	3.95	2.99	1480.
200	0.68	33.91	199	26.63	144.9	4.32	3.69	1480.
225	6.36	33.93	223	26.69	139.8	4.67	4.46	1479.
250	6.15	33.94	248	26.72	136.7	5.C2	5.30	1478.
300	5.69	33.97	298	26.80	129.3	5.68	7.16	1477.
400	5.10	34.04	397	26.93	118.0	6.92	11.57	1477.
500	4.69	34.13	496	27.04	107.8	8.05	16.75	1477.
600	4.36	34.20	595	27.14	99.5	9.08	22.52	1477.
800	3.93	34.33	793	27.29	86.8	10.94	35.76	1479.
1000	3.46	34.40	991	27.39	77.7	12.58	50.75	1480.
1200	3.02	34.45	1188	27.47	70.5	14.04	67.08	1482.

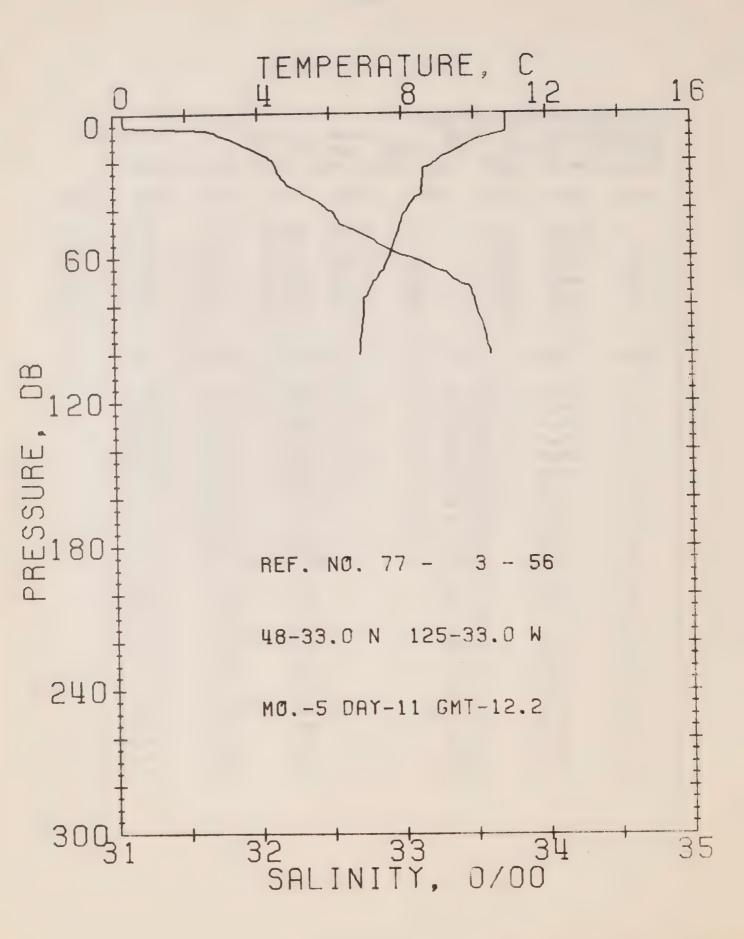


OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 3- 55 DATE 11/ 5/77 STATION 2
POSITION 48-38.0N. 126- 0.0W GMT 10.5
RESULTS OF STP CAST 50 POINTS TAKEN FROM ANALOG TRACE

112.00E1		CAST						
PRESS	TEMP	SAL	DEPTH					SJUND
				T		D		
0	10.72	31.46	0				0.0	1488.
10	9.77	32.04					0.02	
20	9.32	32.14				0.67		1485.
30	8.83	32.34					0.14	
50	7.99					1.50		1481.
75	7.22	33.34	75	26.11	192.8	2.05	C.7C	1479.
DEPTH	TEMP	SAI	-		DEPTH	TEMP	SAL	
0 •	10.72	31.4	46		44.	8.16	32.63	
1.	10.72				45.	8.15		
2.	10.71				46.	8.07	32.68	
	10.70				51.	7.97	32.78	
4.	10.66				55.	7.91		
6.	10.36				58.	7.83		
8.	9.96				60.	7.76		
10.	9.77				62.	7.69		
13.	9.63				65.	7.66	33.14	
17.	9.41				66.	7.54		
18.	9.37				68.	7.50	33.20	
20.	9.32				69.		33.23	
21.	9.24				72.	7.33		
23.	9.23				75.	7.22		
25.	9.14				76.	7.19		
27.	8.96					7.14		
29.	8.85			•	79.	7.13	33.45	
32.	8.78				80.	7.12	33.54	
33.	8.73				82.	7.12	33.63	
35.	8.59				83.	7.08		
36.	8.26					7.04	33.67	
38.	8.26					7.02		
39.	8.20					6.98	33.69	
4 C •	8.17				87.	6.95	33.69	

88. 6.90 33.69

43. 8.16 32.61



DEFSHORE OCEANGGRAPHY GROUP

REFERENCE NO. 77- 3- 56 DATE 11/ 5/77 STATION 1
POSITION 48-33.0N. 125-33.0W GMT 12.2

PRESS TEMP SAL DEPTH SIGMA SVA DELTA POT. SJUND

RESULTS OF STP CAST 52 POINTS TAKEN FROM ANALOG TRACE

				Т		Ö	EN	
0	10.91	31.07	0	23.76	414.8	0 • C	0 • C	1489.
10	10.38	31.77	10	24.39	354.8		0.02	1488.
	8.98	32.11	20	24.89	308.1	0.72	0.07	1483.
30	8.59	32.21	30	25.02	295.2	1.02	0.15	1482.
50	7.88	32.71	50	25.52				1480.
75	7.05		75	26.24	179.8	2.10	0.70	.1478.
100	6.81		99			2.53		1478.
• • •								
DEPTH	TEMP	SAL		D	EPTH	TEMP	SAL	
0.	10.91	31.07			49.	7.91	32.68	
3.	10.91	31.07			53.	7.80	32.81	
4 .	10.91	31.07			54.	7.78	32.83	
5.	10.91	31.08			59.	7.68	32.99	
7.	10.90	31.64			60 •	7.65	33.06	
8.	10.90	31.71			62.	7.58	33.15	
9.	10.65	31.72			65.	7.48	33.24	
11.	10.11	31.82			66.	7.41	33.30	
14.	9.70	31.93			69.	7.32	33.35	
16.	9.46	32.00			70.	7.21	33.39	
18.	9.15	32.07			71.	7.20	33.40	
20.	8.98	32.11			72.	7.14	33.47	
22.	8.80	32.12			74.	7.09	33.48	
23.	8.62	32.13			76.	7.01	33.49	
25.	8.61	32.14			77.	6.94	<b>3</b> 3.50	
30.	8.59	32.21			78.	6.94	33.50	
32.	8.57	32.28			83.	6.92	33.52	
34.	8.55	32.33			84.	6.92	33.53	
35.	8.41	32.36			86.	6.91	33.55	
37.	8.30	32.42			90.	6.88	33.57	
38.	8.24	32.45			93.	6.85	33.58	
40.	8.16				94.	6.84		
41.	8.12	32.52			96.	6.83		
42.	8.06	32.53			98.	6.82		
46.	7.98	32.57			99.	6.82	33.61	

47. 7.96 32.60 100. 6.81 33.61



Surface Salinity and Temperature Observations
(P-77-3)

SURFACE SALINITY AND TEMPERATURE DESERVATIONS CRUISE REFERENCE NUMBER 77- 3

					TOMP	LONGITUDE
	ATE			SALINITY	TEMP	WEST
YR		Y	GMT	0/00	C	125-33
77		25	2330	32.308	8.5 8.3	126= 0
77		26	130	31.161	8.3	126-40
77		26	340	31.538		
77		26	745	32.439	8.5	12 <b>7-</b> 40 128-40
77		26	1135	32.386	8.3	
77		26	1540	32.459b	8.5	129=40
77		26	1850	32.404	8.3	130-40
77		26	2340	32.493b	8 • 4	131-40
77		27	340	32.421b	7.9	132-40
77		27	750	32.381b	7.8	133-40
77		27	114C	32.529b	7.2	134-40
77		27	1550	32.519b	7.0	135-40
77		2 7	1920	32.575b	6.9	136-40
77		27	2230	32.582b	6.7	137-40
77		23	150	32.624b	6.4	138-40
77		28	445	32.621b	6.3	139=40
77		28	730	32.681Ъ	6.0	140-40
77		28	1035	32.682b	6.1	141-40
77		28	1400	32.709	5.7	142-40
77		28	1900	32.716b	5.2	143-40
77		29	0	32.709	5.5	JN STATION
77		30	С	32.712	5 • 4	UN STATION
77	3 .	31	0	32.714	5.6	ON STATION
77	4	1	0	32.714	5.5	ON STATION
77	4	2	0	32.716	5.5	ON STATION
77	4	3	0	32.706	5.0	ON STATION
77	4	4	C	32.73Cb	5.4	ON STATION
77	4	5	0	32.726b	5.5	ON STATION
77	4	6	0	32.706	5 • 4	ON STATION
77	4	7	0	32.706	5.5	ON STATION
77	4	8	0	32 • 72 3b	5.0	UN STATION
77	4	9	0	32.705	5.3	ON STATION
77		10	0	32.756Ъ	5.0	ON STATION
77	4	11	0	32.750b	4.8	ON STATION
77	4	12	0	32.741b	4.8	ON STATION
77	4	13	0	32.762Ъ	4 • 8	UN STATION
77	4	14	0	32.714b		UN STATION
77		15	0	32.714b		ON STATION
77	4	16	0	32.724b		ON STATION
77	4	15	300	32.711b	5.3	143-45
77	4	16	60 C	32.711b	5.2	143- 0
77	4	16	900	32.699b	5.7	142-17
77	4	16	1200	32.674b	6.0	141-45
77	4	16	1500	32.667b	6.1	141- 0

SURFACE SALINITY AND TEMPERATURE OBSERVATIONS
CRUISE REFERENCE NUMBER 77- 3

D.	ATEZT	IME	SALINITY	TEMP	LONGITUDE
	MO DY		0/00	C	WEST
77	4 16		32.656 b	6.0	140-12
77	4 15		32.633b	6.2	139-22
77	4 17		32.650b	6.2	138-36
77	4 17	300	32.6126	6.5	137-44
77	4 17		32.567	6.6	136-58
77	4 17				136-12
77	4 17	1200			135-25
77	4 17	1500	32.508		134-45
77	4 17	1800	32.371	7.5	133~58
77	4 17	2100	32.365	7.5	133= 7
77	4 18	. 0	32.378	7.6	132-26
77	4 18	300	32.298	7.7	131-27
77	4 18	600	32.243	7.8	130-42
77	4 18	900	32.037	7.9	130-0
77	4 18	1200	31.694	7.8	129-10
77	4 18	1500	31.824	7.8	128-19
77	4 19	800	31.803	7.7	128-30
77	4 19	1100.	31.738b	7.5	129-10
77	4 19	1400	31.962b	8.0	129-52
77	4 19	1700	32.311b	8.0	130-30
77	4 19	2000	32.234b	8.0	131-15
77	4 19	2300	32.307b	7.8	131-54
77	4 20	200	32.406	7.6	132-30
77	4 2 (	500	32.371	7.6	133-13
77	4 20	800	32.369	7.5	133-50
77	4 20	1100	32.491	7.0	134-20
77	4 20	1400	32.506	7 . 1	135- 6
77	4 20	1700	32.499	6.7	135-50
77	4 20	2000	32.516	6.6	136-28
77	4 20	2300	32.555	6.8	137- 9
77	4 21	200	32.610	6.5	137-50
77	4 2	1 500	32.665	5.7	138-22
77	4 2	800	32.639	6.1	139-12
77	4 2	1100	32.651	5.9	140- 0
77	4 2	1 1400	32.658	5.6	140-34
77	4 2	1 1700	32.657	6.0	141-15
77	4 2	1 2000	32.693	5.9	141-47
77	4 2	1 2300	32.699	5.5	142-30
77	4 2		32.620	5.2	142-42
77	4 2		32.719	5 • 1	143-33
77	4 2		32.693	5.3	143-58
77.	4 2	3 0	32.723	5.3	ON STATION
77	4 2	4 0	32.712	5.6	ON STATION
77	4 2	5 0	32.718	5.8	UN STATION

SURFACE SALINITY AND TEMPERATURE DBSERVATIONS
CRUISE REFERENCE NUMBER 77- 3

D	ATE	Z/TI	ME	SALINITY	TEMP	LONGITUDE
YR	MO	DY	GMT	0/00	С	WEST
77	4	26	C	32.716	5.6	ON STATION
77	4	27	0	32.725	5.7	ON STATION
77	4	28	0	32.709	5.7	ON STATION
77	4	29	0	32.719	5.6	CN STATION
77	4	30	0	32.769	5.7	ON STATION
77	5	1	. 0	32.764	5.5	ON STATION
77	5	2	0	32.716		ON STATION
77	5	3	0	32.712b		ON STATION
77	5	4	0	32.771b	5.5	ON STATION
77	5	5	0	32.722	5.5	ON STATION
77	5	6	0	32.723	5.6	ON STATION
77	5	7	0	32.720	5.6	ON STATION
77	5	8	0	32.734	5.6	ON STATION
77	5	9	0	32.719		ON STATION
77	5	9	130	32.716	6.0	143-40
77	5	9	610	32.709	6.5	142-40
77	5	9	1030	32.655	6.8	141-40
77	5	9	1300	32.673	6.7	140-40
77	5	9	1520	32.633	6.7	139-40
77	5	9	1800	32.622	6.9	138-40
77	5	9	2140	32.594	7.2	137-40
77	5	10	25	32.579	7.6	136-40
77	5	10	345	32.526	7.8	135-40
77	5	10	630	32.464	8.2	134-40
77	5	10	1015	32.421	8.6	133-40
77	5	10	1300	32.490	8.6	132-40
77	5	10	1625	32.509	8.9	131-40
77	5	10	1905	32.490	9.0	130=40
77	5	10	2250	32.450	9.2	129-40
77	5	11	125	32.358	9.2	128-40
77	5		410	32.151	9.5	127-40
77	5		800	31.938	9.6	126-40
77	5		1030	31.389	10.5	126- 0
77	5		1205	31.164	10.7	125-33
, ,	-					

b DENOTES SALINITY SAMPLE TAKEN FROM A BUCKET. ALL OTHER SAMPLES TAKEN FROM THE SEAWATER LOOP

List of Omissions from Data

Hydrographic data:

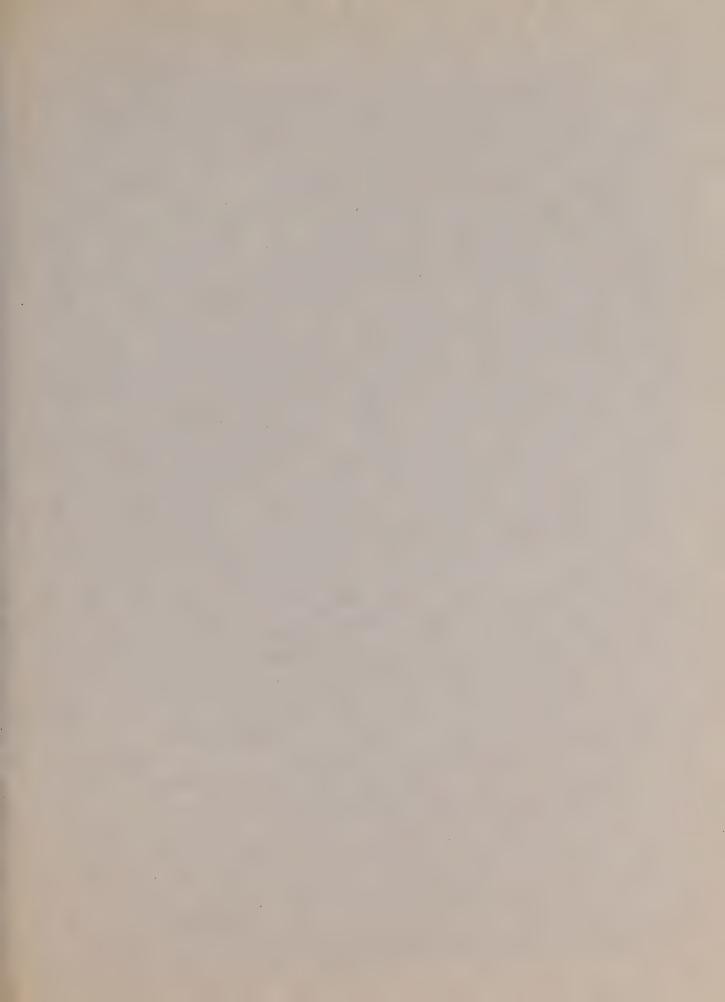
						Notes		
Consec. #	Depth (m)	Temp.	Sal.	02	1.	2.	3.	Comments
				2				
9	1081			*		*		Leaking
	1081		*			*		bottle
								noted
	3817		*		*			
	3817			*		*		
	3901		*		*			
16	770		*			*		Leaking
	770			*		*		bottle
								noted
	911		*			*		Leaking
	911			*		*		bottle
	0000		*		*			noted
06	2090		*		1 ^	*		
26	3877 3877			*		*		
28	2945		*				*	
20	3436		*			*		
	3436			*		*		
35	1953		*			*		
	3463		*		*			
42	4159		*			*		
	4159			*		*		

## Notes (MacNeill, 1977):

- 1. The data is suspect because of a reversal of gradient by >.01  $^{\circ}/$ oo (salinity) or >.08 ml/  $^{\ell}$  (oxygen).
- 2. The data is deleted because of very irregular data values (usually a mistripping or leaking bottle if both oxygen and salinity are irregular).
- 3. The data is deleted because duplicate samples at a depth were not within .01  $^{\circ}$ /oo (salinity) or .08 m1/  $^{\ell}$  (oxygen).

## STD Data:

Consecutive #	Comments
4	Deep salinity not included; traces
13	too erratic Deep salinity not included; traces
37	too erratic Not included; traces too erratic
47	1000 - 1300 m not included; traces too erratic below 1000 m.



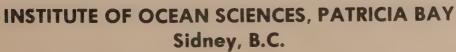


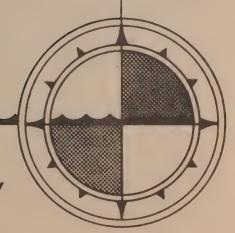
# OCEANOGRAPHIC OBSERVATIONS AT OCEAN STATION P (50°N, 145°W)

**VOLUME 82** 6 May - 23 June 1977

by

Seakem Oceanography Ltd.





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V8L 4B2

## OCEANOGRAPHIC OBSERVATIONS AT OCEAN STATION P (50°N, 145°W)

Volume 82

6 May - 23 June 1977

by

Seakem Oceanography Ltd.

Institute of Ocean Sciences, Patricia Bay Sidney, B.C.

October 1977

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## ABSTRACT

Physical, chemical and biological oceanographic observations are made from the weathership at Ocean Weather Station Papa, and between Esquimalt and Station Papa, on a routine continuing basis. Physical oceanography data only are shown, including surface observations and profiles obtained with bottle casts and conductivity-temperature-pressure instruments.



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#### INTRODUCTION

Canadian operation of Ocean Weather Station P (Latitude 50<sup>0</sup>00'N, Longitude 145<sup>0</sup>00'W) was inaugurated in December, 1950. The station is occupied primarily to make meteorological observations of the surface and upper air and to provide an air-sea rescue service. The station is manned by two vessels operated by the Marine Services Branch of the Ministry of Transport. They are the CCGS Vancouver and the CCGS Quadra. Each ship remains on station for a period of six weeks, and is then relieved by the alternate ship, thus maintaining a continuous watch.

Bathythermograph observations have been made at Station P since July 1952. A program of more extensive oceanographic observations commenced in August 1956. This was extended in April 1959, by the addition of a series of oceanographic stations along the route to and from Station P and Swiftsure Bank. These stations are known as Line P stations. The number of stations on Line P has been increased twice and now consists of twelve stations (Fig. 1). Bathythermograph observations and surface salinity sample collections, in addition to being made on Line P oceanographic stations, are also made at odd meridians at 40', i.e. 139 40'W, 141 40'W, etc. These stations are known as Line P BT stations. Data observed prior to 1968 have been indexed by Collins et al (1969).

The present record includes hydrographic, continuously sampled STP and surface salinity and temperature data collected from the CCGS Quadra during the period 6 May to 23 June 1977.

All physical oceanographic data have been stored by the Canadian Oceanographic Data Centre (CODC), 615 Booth Street, Ottawa, Ontario, Canada. Requests for these data should be directed to CODC.

Biological and productivity data are published in the Manuscript Report series of the Fisheries Research Board of Canada (FRB), Pacific Biological Station, Nanaimo, British Columbia, Canada. Requests for these data should be directed to FRB.

Marine geochemical data are for the Ocean Chemistry Group, Ocean and Aquatic Sciences, Environment Canada, Institute of Ocean Sciences, Patricia Bay, P.O. Box 5000, Sidney, B.C. V8L 4B2

# PROGRAM OF OBSERVATION FROM CCGS QUADRA, 6 MAY - 23 JUNE 1977 (P-77-4) (CODC Ref. No. 15-77-004)

Oceanographic observations were made by Mr. B. Whitehouse and Mr. T. Juhasz of Seakem Oceanography Ltd., Victoria, B.C.

## En Route to Station P

Line P Stations 1 to 11 were occupied and an STP profile made to near bottom or 1500 metres. One hydrocast to 1500 m was done at Station 10.

Samples for salinity, nitrate, nutrient, alkalinity and total CO<sub>2</sub> were taken from the seawater loop at all whole stations with salinity also taken at all half stations. Surface bucket salinities were taken at all whole stations. Surface bucket temperatures were taken at all whole stations, except Station 12.

Surface tarball tows were made at Stations 2, 4, 6, 8 and 10.

The thermosalinograph, surface temperature recorder and  ${\rm PCO}_2$  system were run continuously.

Mechanical BT's or XBT's were taken at all whole and half stations.

## On Station P

The oceanographic program was carried out as follows:

Physical Oceanography

- 1) Profiles of salinity, temperature and oxygen were obtained from 3 hydrographic casts to near bottom (4200 metres) (one cast was to 600 m only).
- 2) 12 STP profiles to 1500 metres and 21 to 300 metres were obtained.
- 3) BT's or XBT's were taken every three hours to coincide with meteorological observations, encoded and transmitted according to the IGOSS format.
- 4) Salinity samples were collected daily at 0000 hrs GMT from the seawater loop.

Marine Geochemistry

- 1) Nutrient and salinity samples were collected daily at 0000 hrs GMT from the seawater loop. One 24 hour series of nutrient samples was taken each hour from the seawater loop. Two profiles for nutrients to 500 m and one profile for tritium to 500 m were taken. One loop sample, one bucket sample and one rainwater sample were also collected for tritium.
- 2) Alkalinity and total CO<sub>2</sub> samples were taken every 3 days from the seawater loop or bucket and in addition, 2 profiles each to 500 m were taken.
- 3) Air  $co_2$  samples were taken in quadruplicate at weekly intervals.

- 4) 6 surface tarball tows were completed.
- 5) 3 seawater C-14 samples were extracted from 45 gallons of seawater taken from the seawater loop along with 3 seawater C-13 and 3 Air C-13 samples.
- 6) PCO2 carboys were filled every 3 days when the loop system was operational.
- 7) 1 profile to 4200 m for mercury was obtained.
- 8) 6 hydrocarbon samples were obtained (one only from the Blumer Sampler).
- 9) 1 profile for mercury was obtained.

Biological Oceanography

Samples were obtained as follows:

- 28 150 metre vertical plankton hauls.
   2 1200 metre vertical plankton hauls.
  - 3 groups of subsurface plankton hauls were taken on 3 consecutive nights at sunset. (9 tows in total).
- 2) 2 profiles to 200 metres for each of plant pigment and nitrates were 9b-tained, as well as 5 surface samples each.
- 3) 6 Secchi disc readings were obtained.
- 4) 2 profiles to 75 m for chlorophyll "a" were obtained.

#### En Route from Station P

An STP profile was made at Stations 12 to 8 and 6 to 1. One hydrocast was done at Station 10. Nutrient, nitrate, alkalinity and total  ${\rm CO}_2$  samples were taken from the seawater loop at all whole stations. Salinity samples were taken at all whole and half stations. Surface bucket temperatures were taken at all whole stations, except for Station 7. Tarball tows were taken at Stations 12, 10, 8, 6, 4 and 2. Mechanical BT's or XBT's were taken at all whole and half stations.

## Observations for Other Agencies

- 1) Marine mammal observations were made by the ship's officers for Mr. I. McAskie, Fisheries Research Board of Canada, Pacific Biological Station, Nanaimo, B.C., Canada.
- 2) Bird observations were made by the ship's officers for Dr. M. Myres, University of Alberta, Calgary, Alberta, Canada and Mr. J. Guiguet, Curator of Birds and Mammals, Provincial Museum, Department of Provincial Secretary and Travel Industry, Victoria, British Columbia, Canada.
- 3) Air CO<sub>2</sub> samples were taken weekly in duplicate for Scripps Institution of Oceanography, La Jolla, California, U.S.A.

Data were processed for publication by Ms. M. Sainsbury of Seakem Oceanography Ltd., Victoria, B.C.

#### OBSERVATIONAL PROCEDURES

Observations for salinity, oxygen and temperature from all hydrographic casts, including the surface, were obtained with Niskin water sample bottles equipped with either Richter and Wiese and/or Yoshino Keiki Co. reversing thermometers. Two protected thermometers were used on all bottles and one unprotected thermometer was used on each bottle at depths of 300 m or greater.

The daily surface water temperatures were measured from a bucket sample using a deck thermometer of  $\pm$  0.1 °C accuracy. The daily surface salinity samples were obtained from the seawater loop. When the seawater loop was not operational these samples were obtained with a bucket, and are indicated with a 'b' in this data record.

Salinity determinations were made aboard ship with either an Autolab Model 601 Mark III inductive salinometer or a Hytech Model 6220 lab salinometer. Accuracy using duplicate determinations is estimated to be  $\pm~0.003^{\circ}$ /oo.

Depth determinations were made using the "depth difference" method described in the U. S. N. Hydrographic Office Publication No. 607 (1955). Depth estimates have an approximate accuracy of  $\pm$  5 m for depths less than 1000 m, and  $\pm$  0.5% of depth for depths greater than 1000 m.

The dissolved oxygen analyses were done in shipboard laboratory by a modified Winkler method (Carpenter, 1955).

Line P engine intake continuous temperature on both ships were recorded by a Honeywell Electronik 15 Recorder. The temperature probe is at a depth of approximately 3 metres below the sea surface and the instrument accuracy is believed to be  $+\ 0.1^{\circ}$ C.

Each ship is equipped with a Plessey Model 6600-T thermosalinograph which is used, on Line P, for continuous recording of surface temperatures and salinities from the ship's seawater loop. The temperature probe is mounted at the seawater loop intake (approximately 3 metres below the surface ) and the salinity probe and recorder are situated in the dry lab. The accuracy of this instrument is believed to be  $\pm$  0.1 C for temperature and  $\pm$  0.1 /oo for salinity.

STP profiles were taken with a Plessey Model 9006 STD system.

## COMPUTATIONS

All hydrographic data were processed with the aid of an IBM 370 computer and a UNIVAC 1100 computer. Reversing thermometer temperature corrections, thermometric depth calculations and accepted depth from the "depth difference" method were computed. Extraneous thermometric depths caused by thermometer malfunctions were automatically edited and replaced. A Calcomp 565 Offline Plotter was used to plot temperature-salinity and temperature-oxygen diagrams, as well as plots of temperature, salinity and dissolved oxygen vs log depth. These plots were used to check the data for errors.

Missing hydrographic data were obtained using a weighted parabolas interpolation method (Reiniger and Ross, 1968). These data are indicated with an asterisk in this data record.

Data values which we suspect but which we have included in this data record are indicated with a plus. These data have been removed from punch card and magnetic tape rocords.

Analog records from the salinity-temperature-pressure instrument have been machine digitized, then replotted using the Calcomp plotter.

Digitization was continued until original and computer plotted traces were coincident. Temperature and salinity values were listed at standard pressures; integrals (depths, geopotential anomaly, and potential energy anomaly) were computed from the entire array of digitized data.

The headings for the data listings are explained as follows:

PRESS is pressure (decibars)

TEMP is temperature (degrees Celsius)
SAL is salinity (parts per thousand)

DEPTH is reported in metres

SIGMA-T is specific gravity anomaly
SVA is specific volume anomaly

THETA is potential temperature (degrees Celsius)

SVA (THETA) is potential specific volume anomaly

DELTA D is geopotential anomaly (J/kg)
POT EN is potential energy in units of 10 ergs/cm

OXY is the concentration of dissolved oxygen expressed in milli-

litres per litre

SOUND is the velocity of sound in m/sec

### REFERENCES

- Carpenter, J.H., 1965. The Chesapeake Bay Institute technique for the Winkler dissolved oxygen method. Limnol. and Oceanogr. 10: 141-143.
- Collins, C.A., R.L.Tripe, D.A. Healey and J. Joergensen, 1969. The time distribution of serial oceanographic data from the Ocean Station P programme. Fish. Res. Bd. Can. Tech. Rept. No. 106.
- MacNeill, M., 1977. A study of anomalous salinity and oxygen values in the deep water at Ocean Station P from 1960-1976 (unpublished manuscript) Pacific Marine Science Report 77-9.
- Reiniger, R.F. and C.K. Ross, 1968. A method of interpolation with application to oceanographic data. Deep Sea Res. 15: 185-193.
- U. S. N. Hydrographic Office, 1955. Instruction Manual for oceanographic observations. Publ. No. 607.

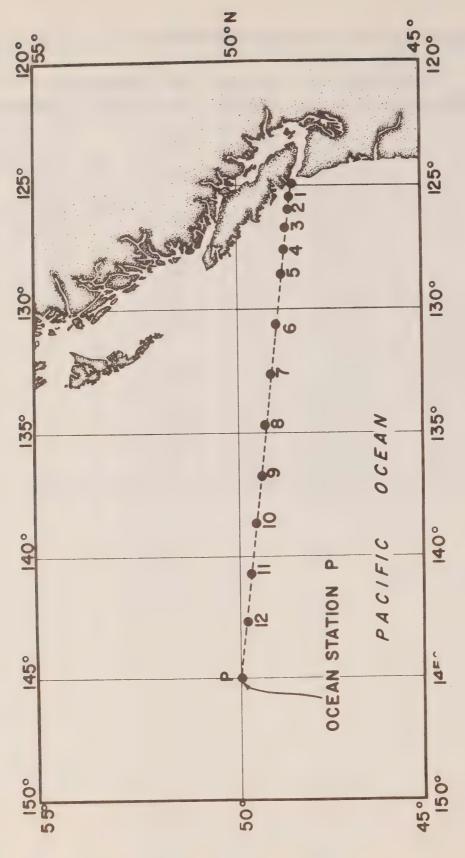
LOG OF HYDROGRAPHIC AND STD OBSERVATIONS

		DATE	TIME	STD	HYDROCAST	
CONSEC.	OTATION.	(GMT)	(GMT)	(m)	(m)	COMMENTS
#	STATION	(GPIL)	(GIII)	()		
0.01	125-33°W	6/05/77	2215	80		
001	125-35 W 126-00 W	6/05/77	2350	80		
002	126-00 W	7/05/77	0230	1,200		
003	126-40 W	7/05/77	0620	300		
004	127-40°W	7/05/77	0945	300		
005	128-40°W	7/05/77	1635	1,500		
006	130-40°W		2340	1,500		
007	132-40°W	7/05/77	0610	1,500		
800	134-40°W	8/05/77	1320	1,500		
009	136-40°W	8/05/77	1945	1,500		
010	138-40°W	8/05/77		1,500	1,500	T, S
011	138-40°W	8/05/77	2055	1,500	1,500	1, 0
012	140-40°W	9/05/77	0405	300		
013	P	10/05/77	1735	300	200	Biological Cast
014	P	10/05/77	1845	300	200	Diological Cast
015	P	11/05/77	1725	300	500	Alk. & CO <sub>2</sub>
016	P	11/05/77	1800	1 500	300	AIR. 8 002
017	P	14/05/77	1730	1,500	500	Nutrient
018	P	14/05/77	1835	200	300	Maritenr
019	P	15/05/77	1715	300		O(T,S) 1500(T,S)
020	P	16/05/77	1720	1,500		0(1,5) 1300(1,5)
021	P	17/05/77	1725	300		
022	P	18/05/77	1720	1,300		
023	P	19/05/77	1720	1,500		m 0 C
024	P	19/05/77	1810		600	T, 0 <sub>2</sub> , S
025	P	23/05/77	1725	1,500		m 0 C
026	P	23/05/77	1840		4,200	T, 0 <sub>2</sub> , S
027	P	24/05/77	1715	300		
028	P	27/05/77	1720	1,500		D C:1
029	P	27/05/77	1815		4,200	Mercury Profile
030	P	28/05/77	1725	300		
031	P	29/05/77	1715	300		
032	P	30/05/77	1715	1,500		
033	P	31/05/77	1710	300		
034	P	31/05/77	1735		500	Alk. & CO <sub>2</sub>
035	P	1/06/77	1715	300		
036	P	2/06/77	1715	300		
037	P	2/06/77	1755		500	Nutrient
038	P	3/06/77	1715	1,500		
039	P	3/06/77	1810		4,200	T, 0 <sub>2</sub> , S
040	P	4/06/77	1715	300		
041	P	5/06/77	1715	300		
042	P	6/06/77	1720	1,500		O(T,S) 1500(T,S
043	P	7/06/77	1715	300		O(T,S) 300(T,S)
044	P	8/06/77	1715	300		
045	P	9/06/77	1710	300		
046	P	10/06/77	1715	1,500		
047	P	11/06/77	1710	300		

## LOG OF HYDROGRAPHIC AND STD OBSERVATIONS (Continued)

CONSEC.		DATE	TIME	STD	HYDROCAST	
#	STATION	(GMT)	(GMT)	(m)	(m)	COMMENTS
048	P	12/06/77	1715	300		
049	P	12/06/77	1735		200	Biological Cast
050	P	13/06/77	1710	1,500		
051	P	13/06/77	1800		3,000	Alk.
052	P	13/06/77	1945		3,000	Alk.
053	P	14/06/77	1720	300		O(T,S) 300(T,S)
054	P	16/06/77	1710	300		
055	P	17/06/77	1715	1,500		
056	P	18/06/77	1720	300		
057	P	19/06/77	1715	300		
058	142-40°W	20/06/77	0710	1,500		
059	140-40 W	20/06/77	1510	1,500		
060	138-40°W	20/06/77	2235	1,500		
061	138-40 W	20/06/77	2320		1,500	T, S
062	136-40°W	21/06/77	0705	1,500		
063	134-40°W	21/06/77	1415	300		
064	130-40°W	22/06/77	0310	1,500		
065	128-40°W	22/06/77	1215	1,500		
066	127-40 W	22/06/77	1705	1,500		
067	126-40 W	22/06/77	2230	1,100		
068	126-00 W	23/06/77	0140	80		
069	125-33°W	23/06/77	0405	80		





. 1 Chart showing Line P station positions.

Oceanographic Data Obtained on Cruise P-77-4

(CODC Reference No. 15-77-004)



Results of Hydrographic Observations

(P-77-4)

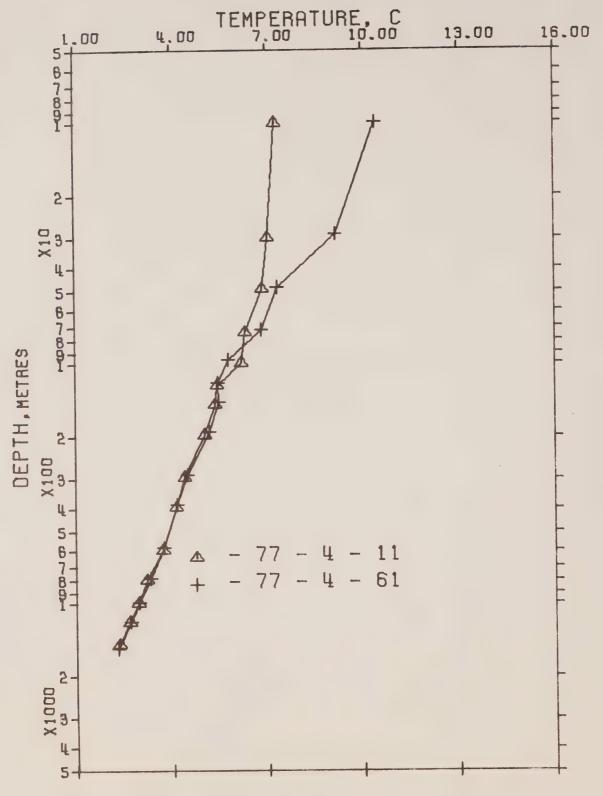


Figure 2. Composite plot of temperature vs  $\log_{10}$  depth for Line P stations. P-77-4.

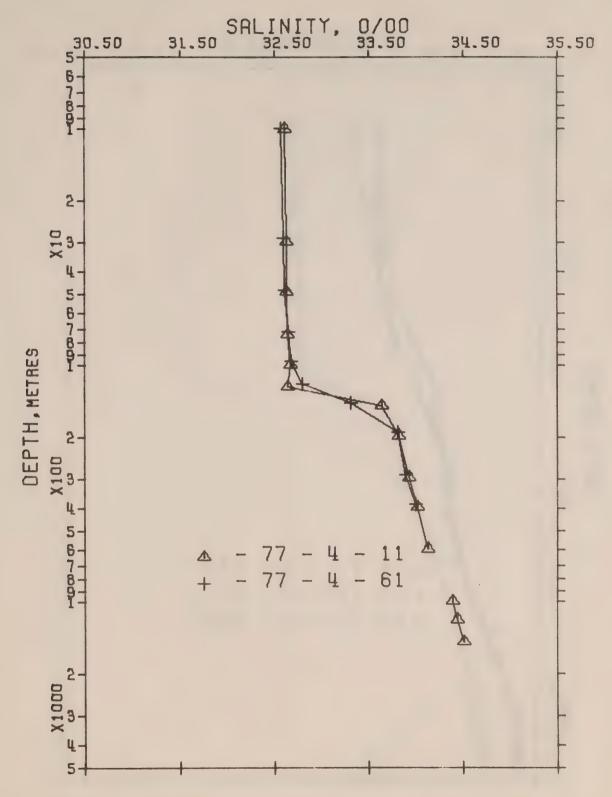


Figure 3. Composite plot of salinity vs log 10 depth for Line P stations. P-77-4.

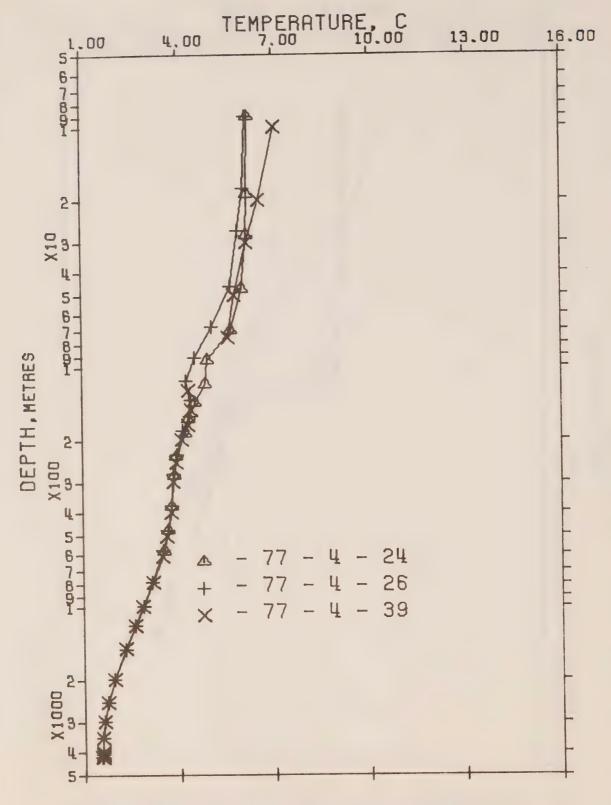


Figure 4. Composite plot of temperature vs  $\log_{10}$  depth for Station P. P-77-4.

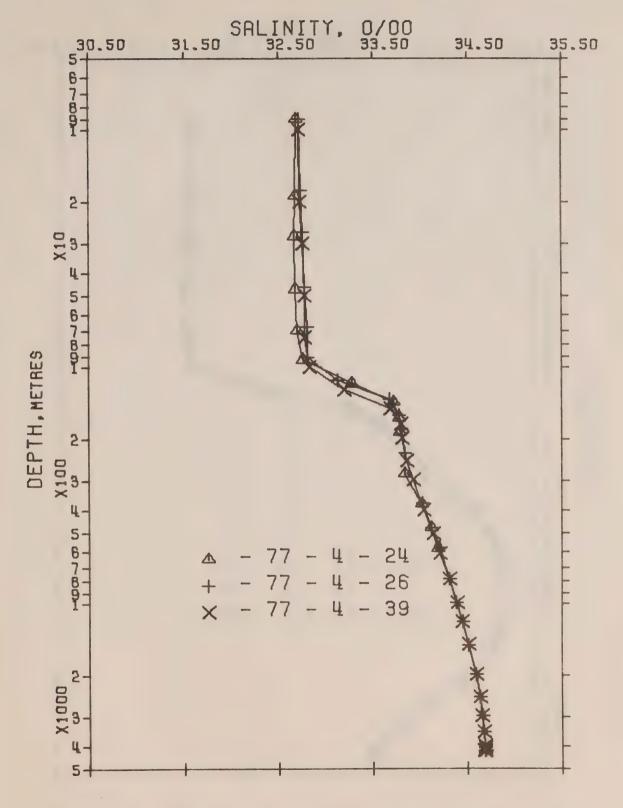


Figure 5. Composite plot of salinity vs  $\log_{10}$  depth for Station P. P-77-4.

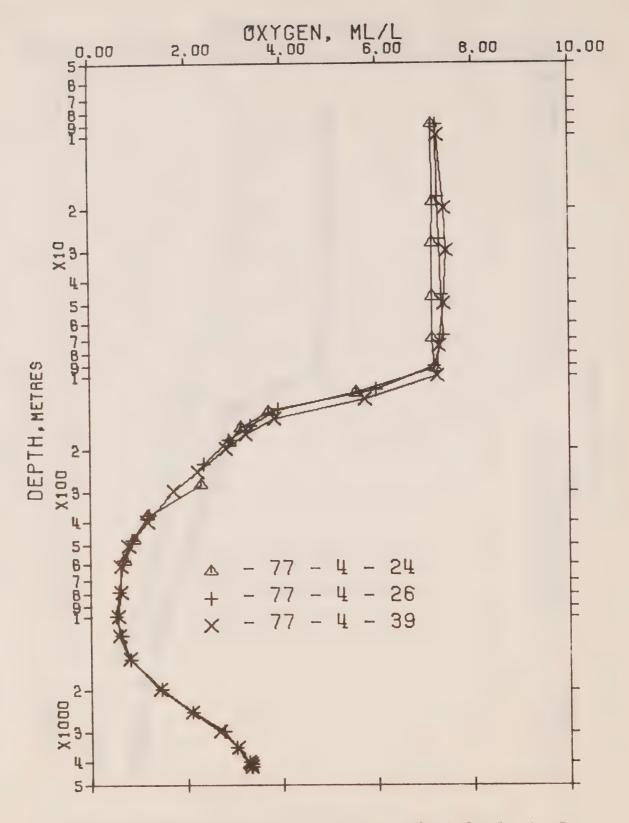
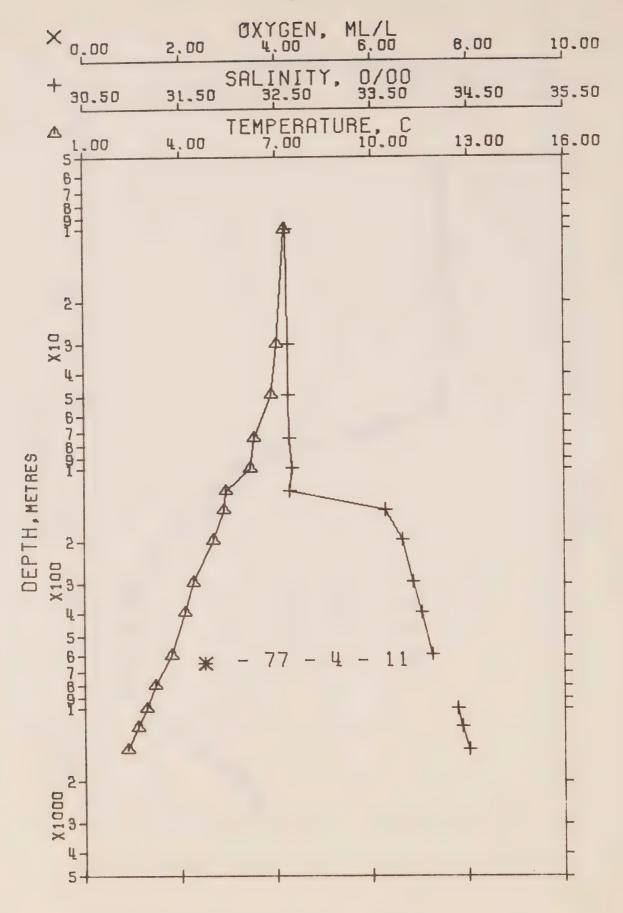


Figure 6. Composite plot of oxygen vs  $\log_{10}$  depth for Station P. P-77-4.





OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 11 DATE 8/ 5/77 GMT 20.6
POSITION 49-34.0 N. 138-40.0 W
HYDROGRAPHIC CAST DATA

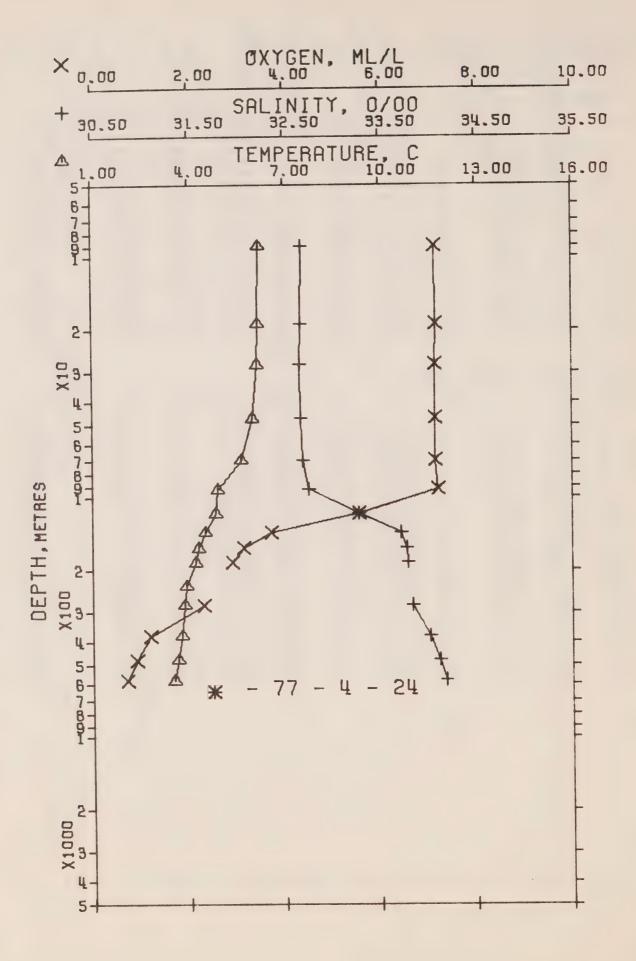
STATION 10

## OBSERVED DATA

PRESS	TEMP	SAL	DEFTH	SIGMA	SVA	THETA	SVA	UELTA	PUT.	OXY	50UND
				T			(THETA)	U	Eil		
0	7.27	32.622	0	25.535	245.8	7.27	245.8	• 00	• 00		1477.
10	7.27	32.614	10	25.529	246.5	7.27	246.4	. 25	.01		1477.
30	7.03	32.630	30	25.574	242.5	7.03	242.0	.74	•11		1477.
49	6.84	32.625	49	25.598	240.5	6.84	239.8	1.20	•30		1476.
74	6.31	32.641	74	25.676	233.2	6.30	232.3	1.80	•68		1474.
100	6.19	32.667	99	25.712	230.1	6.18	228.9	2.38	1.19		1474.
124	5.41	32.638	123	25.783	223.4	5.40	222.1	2.95	1.85		1472.
149	5.30	33.641	148	26.580	148.1	5.35	146.4	3.42	2.49		1473.
199	5.03	33.824	198	26.763	131.3	5.01	129.0	4.12	3.73		1473.
<b>~99</b>	4.39	33.926	297	26.915	117.6	4.37	114.5	5.35	6.00		1472.
400	4.11	34.019	397	27.018	108.5	4.08	104.7	6.49	10.92		1473.
602	3.70	34.135	597	27.151	97.1	3.66	91.9	8.56	21.44		1474.
804	3.20	54.279 *	797	27.314	82.5	3.14	76.4	10.37	34.36		1476.
1005	2.91	34.369	995	27.428	72.5	2.84	65.5	11.91	48.60		1478.
1203	2.65	54.443	1191	27.494	66.8	2.57	59.2	13.29	64.06		1480.
1496	2.32	34.509	1480	27.575	59.7	2.22	51.4	15.14	89.46		1484.

# INTERPOLATED TO STANDARD PRESSURE .

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	ОХХ	SOUND
0	7.27	32.622	,	00 000	0.41.0		(THETA)	U	EN		
			0	25.535	245.8	7.27	245.8	• 00	• 00		1477.
10	7.27	32.614	10	25.529	246.5	7.27	246.4	.25	• 01		1477.
20	7.12	32.624	20	25.557	244.0	7.12	243.7	•49	• 05		1477.
30	7.03	32.630	30	25.574	242.5	7.03	242.0	.74	•11		1477.
50	6.82	32.628	50	25.600	240.2	6.82	239.5	1.22	•31		1476.
75	6.31	32.642	75	25.677	233.1	6.30	232.2	1.81	•69		1474.
100	6.19	32.667	99	25.712	230.1	6.18	228.9	2.38	1.19		1474.
125	5.41	32.691	124	25.825	219.5	5.40	210.1	2.98	1.85		1472.
150	5.35	33.645	149	26.585	147.7	5.34	145.9	3.43	2.51		1473.
175	5.18	33.742	174	26.681	138.8	5.16	130.7	3.79	3.11		1473.
200	5.03	53.825	199	26.764	131.2	5.01	128.9	4.13	3.75		1473.
225	4.84	33.854	224	26.809	127.1	4.82	124.6	4.45	4.45		1472.
250	4.07	33.881	249	26.848	123.6	4.65	120.9	4.76	5.21		
300	4.39	33.927	298	26.916	117.5	4.37	114.5	5.36	6.89		1472.
400	4.11	34.019	397	27.018	108.5	4.08	104.7	6.49			1472.
500	3.89	34.082	496	27.091	102.2	3.85	97.7		10.92		1473.
600	3.70	34.134	595	27.150	97.2			7.54	15.73		1473.
700	3.44	34.210	694	27.236	89.5	3.66	92.0	8.54	21.31		1474.
800	3.21	34.270	793 <sup>2</sup>			3.39	183.8	9.47	27.50		1475.
900	3.05	34.334		27.311	82.8	3:15	76.7	19.53	34.07		1476.
1000	2.92		892	27.372	77.4	2.99	70.9	11.13	41.00		1477.
1200		34.387	991	27.426	72.7	2.85	65.7	11.08	48.26		1473.
1200	2.65	34.442	1188	27.493	66.8	2.57	59.3	13.27	b3.60		1480.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 14- 24 DATE 19/ 5/77 GMT 18.6
POSITION 50- .0 N. 145- .0 W
HYDROGRAPHIC CAST DATA

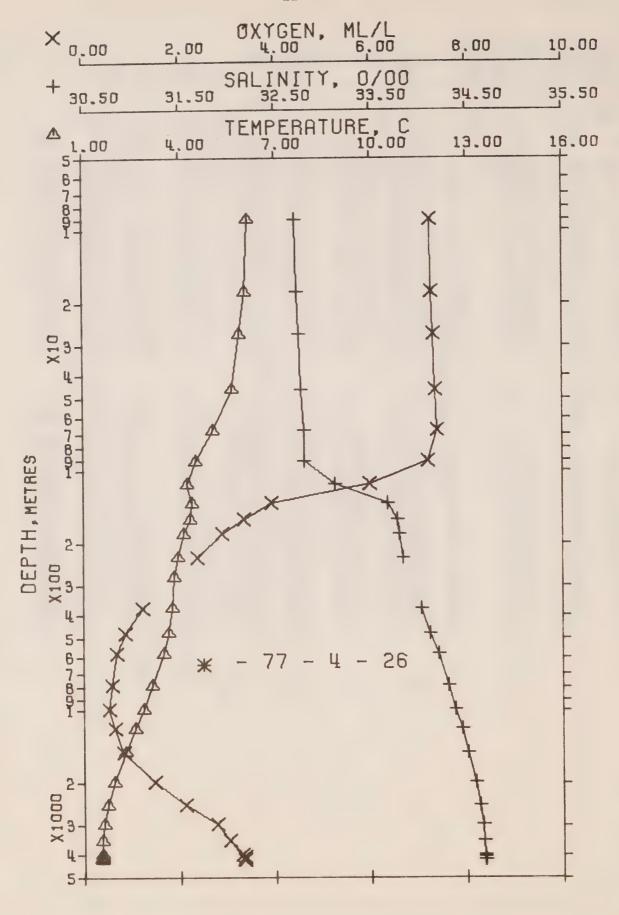
STATION P

## OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	PUT.	OXY	SOUN:D
				T			(THETA)	U	EN		
0	6.23	32.683	0	25.719	228.2	6.23	228.2	•00	.00	7.18	1473.
ÿ	6.21	32.687	9	25.725	227.8	6.21	227.7	.21	.01	7.16	1473.
19	6.19	52.679	19	25.721	228.3	6.19	228.0	.44	. 14	7.17	1473.
28	6.10	32.675	29	25.722	228.3	6.16	228.0	.64	.09	7.16	1473.
47	b.01	32.660	47	25.744	226.4	6.01	225.8	1.08	160	7.16	1473.
70	5.04	32.699	70	25.804	220.9	5.63	220.1	1.60	•57	7.16	1472.
1914	4.91	32.758	93	25.934	208.7	4.90	207.8	2.10	.99	7.22	1469.
	4.84	33.278	117	26.353	169.2	4.83	168.0	2.55	1.48	5.57	1470.
118		33.721	140	26.738	132.8	4.51	131.4	2.90	1.94	3.73	1470.
141	4.52	33.778	163	26.807	126.5	4.29	124.9	3.20	2.40	3.15	1469.
104	4.30		187	26.827	124.8	4.20	123.0	3.50	2.95	2.90	1469.
150	4.21	33.791		26.878	120.2	3.89	110.1	4.08	4.20	2.57	
236	3.91	33.817*			118.2	3.82	115.8	4.66	5.73	2.30	1469.
204	3.84	33.838	282	26.902			101.2	5.74	9.37	1.19	1471.
297	3.76	34.021	378	27.055	104.5	3.73		6.74	13.78	.90	1472.
481	3.64	54.118	477	27.144	96.8	3.61	92.7				1473.
585	3.52	34.194	580	27.216	90.6	3.48	85 • 8	7.72	19.07	.70	14/3

# INTERPOLATED TO STAHDARD PRESSURE

PRESS	TEMP	SAL	CEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	D	EN		
0	6.23	32.663	0	25.719	228.2	6.23	228.2	•00	.00	7.18	1473.
10	6.21	32.686	10	25.725	227.9	6.21	227.7	.23	.01	7.16	1473.
20	6.19.	32.679	20	25.721	228.3	6.18	228.0	•46	• 05	7.17	1473.
30	6.14	32.676	30	25.725	228.1	6.14	227.7	•68	•10	7.16	1473.
50	5.90	32.663	50	25.753	225.6	5.95	225.0	1 - 14	•29	7.16	1473.
75	5.48	32.712	75	25.833	218.2	5.47	217.4	1.70	•04	7.17	1471.
100	4.89	32.907	99	26.054	197.3	4.88	196.3	2.23	1.12	6.74	1469.
125	4.73	33.425	124	26.480	157.1	4.72	155.9	2.67	1.62	4.96	1470.
150	4.43	33.744	149	26.766	130.2	4.42	128.7	3.02	2.11	3.49	1469.
175	4.26	33.784	174	26.816	125.7	4.25	124.0	3.34	2.64	3.03	1469.
200	4.13	33.798	199	26.840	123.5	4.12	121.7	3.65	3.24	2.81	1469.
225	3.97	33.811	223	26.867	121.1	3.96	119.1	3.95	3.90	2.64	1469.
250	3.89	33.823	248	26.885	119.6	3.87	117.4	4.26	4.62	2.49	1469.
300	3.83	33.872	298	26.930	115.7	3.80	113.1	4.85	6.29	2.09	1469.
400	3.73	34.041	397	27.074	102.9	3.71	99.4	5.94	10.16	1.13	1471.
500	3.62	34.133	496	27.158	95.6	3.58	91.4	6.93	14.69	. R6	1472.



OFFSHORE OCEANOGRAPHY GROUP REFERENCE NO. 77- 4- 26 DATE 23/ 5/77 GMT 18.1
POSITION 50- .0 N. 145- .0 W
HYDROGRAPHIC CAST DATA

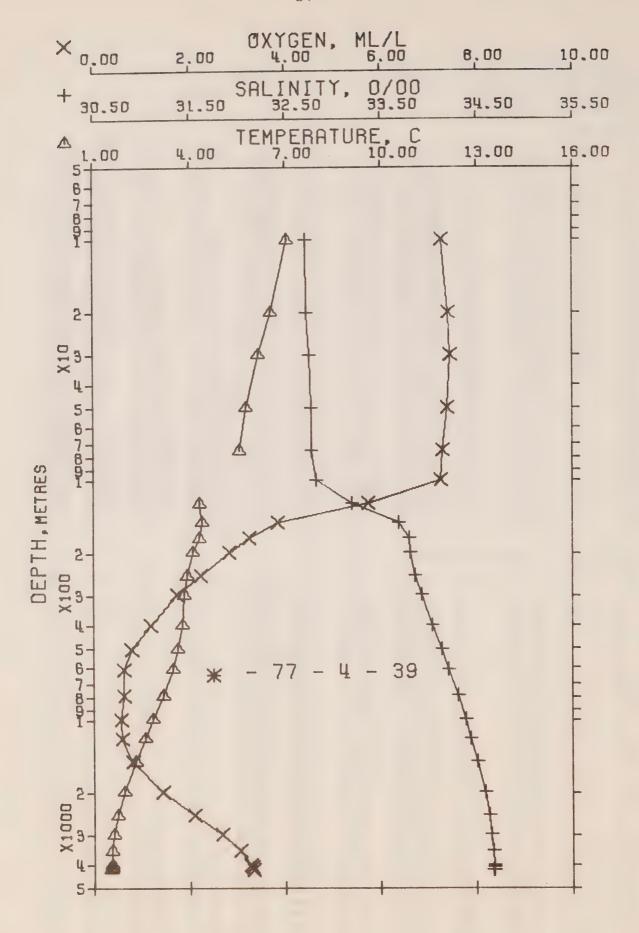
STATION P

OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	UELTA	POT.	OXY	SOUND
				Т			(THETA)	U	EN		
0	6.24	32.723	0	25.750	225.4	6.24	225.4	.00	• 00	7.29	1473.
9	6.17	32.724	9	25.759	224.6	6.17	224.4	.20	.01	7.26	1473.
13	6.07	32.738	18	25.783	222.4	6.07	222.2	.41	.04	7.29	1473.
27	5.89	32.757	27	25.820	219.0	5.89	218.7	.61	• 08	7.31	1472.
46	5.65	32.776	46	25.864	215.0	5.65	214.5	1.02	.24	7.35	1471.
00	5.06	32.811	68	25.959	206.1	5.05	205.4	1.49	•51	7.40	1469.
92	4.50	32.808	91	26.018	200.6	4.49	199.8	1.96	•90	7.21	1468.
115	4.23+	33.135	114	26.305	173.5	4.22	172.6	2.39	1.35	5.98	1467.
138	4.40	33.680	137	26.719	134.6	4.39	133.3	2.75	1.81	3.93	1469.
101	4.33	33.777	160	26.803	126.8	4.32	125.2	3.05	2.27	3.35	1469.
185	4.13	53.801	184	26.843	123.2	4.12	121.4	3.35	2.80	2.88	1469.
232	3.94	33.842	230	26.895	118.5	3.92	116.5	3.91	3.99	2.37	1469.
280	3.82	33.915	278	26.965	112.2	3.80	109.8	4.47	5 • 44	1.92	1469.
378	3.76	34.031	375	27.063	103.7	3.73	100.5	5.52	8.98	1.23	1471.
480	3.63	34.120	476	27.146	96.5	3.60	92.5	6.54	13.44	.85	1472.
587	3.48	34.211	582	27.233	89.0	3.44	84.2	7.54	18.82	.69	1473.
795	3.13	34.311	788	27.346	79.3	3.08	73.4	9.28	31.10	•58	1475.
1001	2.85	34.385	991	27.430	72.1	2.78	65.3	10.83	45.28	•53	1478.
1204	2.58	34.446	1192	27.503	65.8	2.50	58.4	12.24	01.04	.64	1480.
1511	2.30	34.512	1494	27.579	59.3	2.20	51.0	14.14	87.40	.81	1464.
2020	1.92	34.590	1995	27.672	51.3	1.78	42.0	16.96	138.03	1.47	1491.
2528	1.73	34.632	2494	27.720	47.6	1.55	37.2	19.45	195.85	2.10	1499.
3037	1.61	34.657	2993	27.749	45.8	1.38	34.2	21.83	263.10	2.76	1507.
3550	1.53	34.675	3494	27.769	44.8	1.25	32.0	24.14	340.89	3.03	1515.
4067	1.54	34.684	3998	27.775	45.6	1.21	31.0	26.47	431.29	3.28	
4170	1.53	34.664	4099	27.776	45.7	1.19	30.8	26.94	451.17	3.33	1526.
4264	1.52	34 • 685	4190	27.778	45.7	1.17	30.6	27.37	469.54	3.32	1527.
4274	1.53	34.007	4200	27.779	45.8	1.18	30.5	27.42	471.58	3.33	1528.

## INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	D	EN		
0	6.24	32.723	0	25.750	225.4	6.24	225.4	.00	• 00	7.29	1473.
10	6.10	32.726	10	25.762	224.3	6.16	224.1	. 23	.01	7.27	1473.
20	6.03	32.743	20	25.792	221.6	6.02	221.4	•45	• 05	7.29	1473.
30	5.85	32.761	30	25.828	218.3	5.84	217.9	.67	•10	7.32	1472.
50	5.53	32.763	<b>5</b> 0	25.883	213.2	5.53	212.7	1.10	•28	7.36	1471.
75	4.88	32.810	75	25.978	204.3	4.88	203.6	1.62	•61	7.34	1469.
100	4.40	32.935	99	20.129	190.1	4.39	189.2	2.12	1.06	6.73	1467.
125	4.31	33.388	124	26.497	155.4	4.30	154.3	2.56	1.56	5.03	1468.
150	4.36	33.732	149	26.764	130.4	4.35	128.9	2.91	2.04	3.62	1469.
175	4.21	33.791	174	26.827	124.6	4.20	123.0	3.22	2.56	3.07	1469.
200	4.07	33.815	199	26.861	121.6	4.05	119.7	3.53	3.15	2.70	1469.
225	3.97	33.837	223	26.888	119.1	3.95	117.1	3.83	3.80	2.43	1469.
250	3.89	33.871	248	26.923	116.0	3.87	113.8	4.13	4.52	2.19	1469.
300	3.81	33.942	298	26.987	110.3	3.79	107.7	4.69	6.10	1.77	1470.
400	3.73	34.052	397	27.083	102.0	3.70	98.6	5.75	9.88	1.14	1471.
500	3.60	34.138	: 496	27.164	95.0	3.56	90.8	6.74	14.39	.82	1472.
600	3.45	34.218	595	27.242	88.3	3.41	83.4	7.65	19.52	.68	1473.
700	3.28	34.269	694	27.299	83.3	3.23	77.9	8.51	25.20	.63	1474.
800	3.12	34.313	793	27.348	79.1	3.07	73.2	9.32	31.40	.58	1475.
900	2.98	34.351	891	27.392	75.4	2.92	69.0	10.09	38.08	.55	1476.
1000	2.85	-34 - 385	990	27.430	72.1	2.78	65.3	10.83	45.22	•53	1478.
1200	2.59	34.445	1188	27.501	65.9	2.50	58.5	12.21	60.68	.64	1480.
1500	2.31	34.510	1483	27.576	59.5	2.21	51.3	14.08	86.42	.81	1484.
2000	1.93	34.587	1975	27.669	51.6	1.80	42.3	16.86	135.95	1.44	1490.
2500	1.74	34.630	2467	27.717	47.8	1.56	37.5	19.32	192.42	2.07	1498.
3000	1.62	34.655	2957	27.747	45.9	1.40	34.4	21.65	257.83	2.71	1506.
3500	1.54	34.673	3445	27.767	44.9	1.27	32.2	23.92	332.86	3.00	1514.
4000	1.54	34.683	3932	27.775	45.5	1.21	31.1	26.17	418.80	3.25	1523.
4100	1.54	34.684	4031	27.776	45.7	1.20	30.9	26.62	437.62	3.30	1525.
4200	1.53	34.684	4128	27.777	45.7	1.18	30.8	27.08	456.96	3.33	1526.



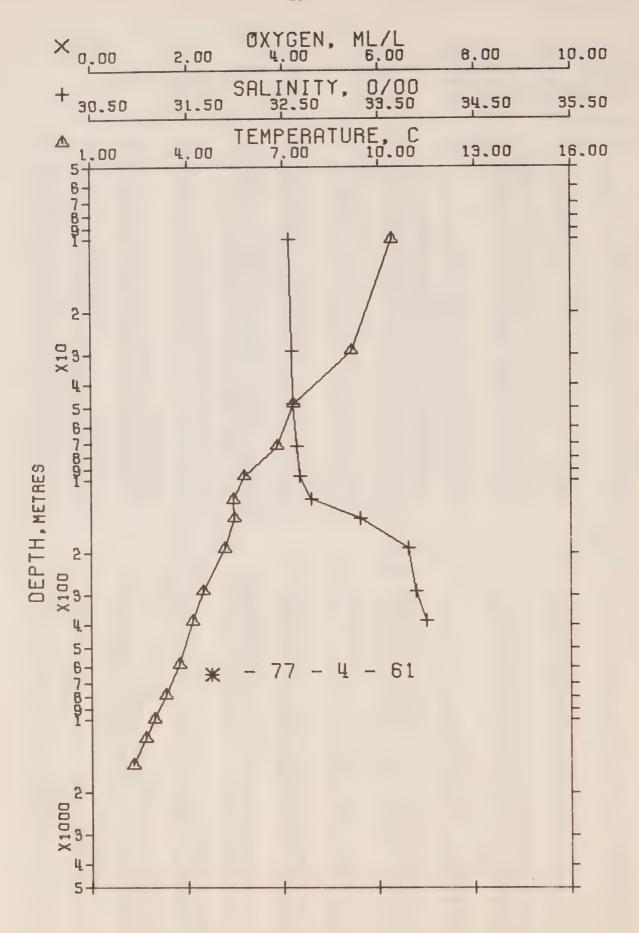
OFFSHORE OCEANUGRAPHY GROUP
REFERENCE NO. 77- 4- 39 DATE 3/ 6/77 GMT 18.8
PUSITION 50- .0 N, 145- .0 W STATION P
HYDROGRAPHIC CAST DATA

OBSERVED DATA

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	O	EN		
0	7.16	32.729	0	25.634	236.4	7.16	236.4	.00	.00	7.28	1477.
10	7.06	32.723	10	25.643	235.7	7.06	235.5	.24	.01	7.27	1476.
20	6.55	32.730	20	25.716	223.8	6.55	228.6	.47	• 05	7.42	1475.
30	0.10	32.759	30	25.728	222.1	6.16	221.7	.70	•11	7.45	1473.
50	<b>5.7</b> ♂	32.763	50	25.853	216.0	5.78	215.5	1.14	.29	7.40	1472.
75	5.55	32.700	75	25.878	213.9	5.54	213.1	1.68	•63	7.31	1472.
101		32.827	100	25.996	202.9	4.84	201.9	2.21	1.11	7.26	1469.
126		. 33.197	125	26.347	169.7	4.29	166.6	2.67	1.05	5.74	1468.
150	4.38	33.687	149	26.726	134.0	4.37	132.5	3.04	2.16	3.84	1469.
175	4.30	33.798	174	26.823	125.1	4.29	123.4	3.36	2.70	3.25	1469.
200	4.09	33.811	199	26.855	122.1	4.08	120.3	3.67	3.29	2.82	1469.
251	3.92	33.864	249	26.914	116.8	3.90	114.6	4.28	4.67	2.22	1469.
301	3.82	33.926	299	26.974	111.6	3.80	109.0	4.85	6.29	1.73	1470.
403	3.76	34.036	400	27.067	103.5	3.73	100.1	5.95	10.22	1.17	1471.
508	3.60	34 - 144	504	27.168	94.6	3.56	90.4	6.99	15.06	.78	1472.
616	3.45	34.215	611	27.239	88.6	3.41	83.6	7.98	60.72	.63	1474.
793	3.17	34.308	786	27.340	79.9	3.12	74.0	9.47	31.39	.63	1475.
996	2.84	34.386	986	27.432	71.9	2.77	65.2	11.00	45.33	•56	1477.
1198	2.59	34.444	1186	27.500	66.0	2.51	58.6	12.39	60.92	•59	1480.
1503	2.28	34.515	1486	27.583	58.8	2.18	50.7	14.28	66.97	.81	1484.
2012	1.94	34.586	1987	27.667	51.8	1.80	42.5	17.11	137.40	1.41	1491.
2522	1.73	34.031	2488	27.719	47.7	1.55	37.3	19.63	195.73	2.08	1498.
3034	1.61	34.655	2990	27.747	45.9	1.38	34.3	22.02	263.34	2.65	1507.
3548	1.53	34.671	3492	27.766	45.0	1.25	32.3	24.35	341.57	3.03	1515.
4061	1.54	34.679	3993	27.771	46.0	1.21	31.4	26.68	431.95	3.25	1524.
4165	1.53	34.663	4094	27.775	45.8	1.19	30.9	27.15	451.90	3.30	1526.
4258	1.52	34 • 683	4184	27.776	45.9	1.17	30.8	27.57	469.95	3.33	1527.
4268	1.53	34.673+	4194	27.767	46.7	1.18	31.6	27.62	472.01	3.33	* 1527.

# INTERPOLATED TO STANDARD PRESSURE

eu		_									
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	PUT.	OXY	SOUND
				T			(THETA)	D	EN		
Ú	7.16	32.729	0	25.634	236.4	7.16	236.4	.00	.00	7.28	1477.
10	7.06	32.723	10	25.643	235.7	7.06	235.5	.24	.01	7.27	1476.
20	6.55	32.730	20	25.716	228.8	6.55	228.6	•47	• 05	7.42	1475.
30	6.16	32.759	<b>3</b> 0	25.788	222.1	6.16	221.7	.70	•11	7.45	1473.
50	5.70	32.763	50	25.853	216.0	5.78	215.5	1.14	•29	7.40	1472.
75	5.55	32.780	75	25.878	213.9	5.54	213.1	1.08	• 0 3	7.31	1472.
100	4.86	32.826	99	25.993	203.1	4.86	202.2	2.19	1.09	7.26	1469.
125	4.32	33.186	124	26.336	170.7	4.31	169.6	2.66	1.63	5.79	1468.
150	4.38	53.687	149	26.726	134.0	4.37	132.5	3.04	2.16	3.84	1469.
175	4.30	33.798	174	26.823	125.1	4.29	123.4	3.36	2.70	3.25	1469.
200	4.09	33.811	199	26.855	122.1	4.08	120.3	3.67	3.29	2.82	1469.
225	4.00	33.838	224	20.886	119.4	3.99	117.4	3.97	3.93	2.51	1469.
<b>250</b>	3.92	33.863	248	26.913	116.9	3.91	114.7	4.27	4.05	2.23	1469.
200	3.32	33.925	298	26.972	111.7	3.80	109.1	4.84	6.25	1.74	1470.
400	3.76	34.033	397	27.064	103.8	3.73	100.3	5.91	10.09	1.19	1471.
500	3.61	34.136	496	27.161	95.3	3.58	91.1	6.91	14.65	.81	1472.
600	3.47	34.205	595	27.230	89.4	3.43	84.5	7.83	19.82	.65	1473.
700	3.31	34.262	694	27.290	84.2	3.26	78.7	8.70	25.57	.63	1474.
600	3.16	34.311	793	27.343	79.6	3.10	73.6	9.52	31.82	.63	1475.
900	2.99	34.351	891	27.391	75.4	2.93	69.1	10.29	38.53	.59	1476.
1000	2.63	34.387	991	27.434	71.7	2.77	65.0	11.03	45.05	.56	1477.
1200	2.59	-34.444	1188	27.501	66.0	2.51	58.6	12.40	61.05	.59	1480.
1500	2.28	34.514	1483	27.582	58.9	2.18	50.7	14.27	86.74	.80	1484.
2000	1.95	34 • 585	1975	27.665	51.9	1.81	42.6	17.05	136.17	1.40	1491.
2500	1.74	34.629	2467	27.717	47.9	1.56	37.5	19.53	193.06	2.05	1498.
2000	1.62	34.654	295₹	27.745	46.0	1.40	34.5	21.86	258.49	2.62	1506.
3500	1.54	34.670	3446	27.764	45.1	1.27	32.5	24.13	333.82	3.00	1514.
4000	1.54	34.678	3933	27.771	45.9	1.21	31.5	26.40	420.35	3.23	1523.
4100	1.54	34.680	4031	27.773	45.9	1.20	31.2	26.86	439.31	3.27	1525.
4200	1.53	34.683	4128	27.776	45.8	1.18	30.9	27.31	458.70	3.31	1526.



WEFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 01 DATE 20/ 6/77 GMT 23.9
POSITION 49-34.0 N. 138-40.0 W ST
HYDROGRAPHIC CAST DATA

STATION 10

## OBSERVED DATA

PKESS	TEMP	SAL	DEPTH	SIGMA	SVA	THETA	SVA	DELTA	POT.	OXY	SOUND
				T			(THETA)	U	EN		
{}	10.53	32.574	0	24.993	297.3	10.53	297.3	.00	• 00		1489.
10	10.42	32.569	10	25.008	296.1	10.42	295.9	•30	•02		1489.
والم	9.15	32.602	29	25.242	274.1	9.15	273.6	.84	•12		1485.
48	7.33	52.608	48	25.516	248.3	7.33	247.5	1.34	• 32		1478.
72	6.83	32.651	72	25.617	238.9	6.82	237.9	1.93	•68		1476.
97	5.77	32.679	96	25.773	224.2	5.76	223.1	2.49	1.16		1473.
121	5.45	32.802	120	25.908	211.6	5.44	210.3	3.02	1.75		1472.
145	5.40	33.313	144	26.310	173.8	5.45	172.0	3.48	2 • 38		1473.
193	5.18	33.807	192	26.732	134.2	5.16	131.9	4.22	3.64		1473.
292	4.49	33.886	290	26.872	121.6	4.47	118.6	5.48	6.75		1472.
391	4.14	33.996	388	26.996	110.4	4.11	106.7	6.62	10.72		1472.
592	3.74	34.107	587	27.125	99.5	3.70	94.4	8.72	21.22		1474.
795	3.32	34.185	788	27.228	90.6	3.26	84.5	10.65	34.81		1476.
999	2.95	34.246	989	27.311	83.4	2.88	76.6	12.41	50.95		1478.
1203	2.07	34.296	1191	27.375	77.8	2.59	70.4	14.06	69.42		1480.
1557	2.29	34.365	1540	27.462	70.2	2.18	62.1	16.68	106.19		1464.

# INTERPOLATED TO STANDARD PRESSURE

PRESS	TEMP	5AL	UEPTH	SIGMA	SVA	THETA	SVA	DELTA	PUI.	OXY	SOUND
				T			(THETA)	Ũ	Ē.V		
U	10.53	32.574	U	24.993	297.3	10.53	297.3	• 00	•00		1489.
10	10.42	32.509	10	25.008	296.1	10.42	295.9	•30	•02		1489.
20	9.01	32.590	20	25.160	281.8	9.61	281.4	•59	•06		1486.
30	9.05	32.602	30	25.259	272.6	9.05	272.0	• 06	•13		1484.
50	7.29	3: .612	50	25.525	247.4	7.28	246.7	1.38	• 34		1478.
/5	6.70	32.654	<b>7</b> 5	25.636	237.1	6.70	230.0	1.99	•75		1476.
100	5.72	32.698	99	25.794	222.2	5.71	221.1	2.50	1.24		1473.
125	5.45	32.899	124	25.984	204.4	5.44	203.0	3.10	1.86		1472.
150	5.43	53.372	148	26.360	169.0	5.41	167.3	3.57	2.51		1473.
175	5.28	33.636	174	26.586	147.8	5.26	145.8	3.96	3+16		1473.
200	5.12	33.814	199	26.744	133.1	5.11	130.8	4.31	3.82		1473.
225	4.93	33.836	224	26.784	129.5	4.91	126.9	4.04	4.53		1473.
250	4.75	33.856	248	26.820	126.2	4.73	123.5	4.96	5.31		1473.
300	4.46	ა <b>3∙</b>	298	20.884	120.5	4.44	117.5	5.57	7.04		1472.
400	4.12	34.002	397	27.004	109.8	4.09	106.0	6.72	11.12		1473.
500	3.90	34.062	496	27.073	103.9	3.87	99.4	7.79	16.01		1473.
600	3.72	34.110	595	27.130	99.1	3.68	94.0	8.80	21.70		1474.
700	3.50	34.151	694	27.184	94.5	3.45	88.8	9.77	28.11		1475.
000	3.31	34.167	793	27.231	90.4	3.25	84.3	10.69	35.17		1476.
900	3.12	34.218	891	27.273	86.7	3.06	80.2	11.58	42.84		1477.
1600	2.95	34.247	990	27.311	83.4	2.88	76.6	12.43	51.07		1478.
1200	2.67	34.295	1188	27.374	77.9	2.59	70.5	14.04	69.12		1480.
1500	2.35	34.355	1484	27.450	71.3	2.24	63.3	16.28	99.90		1484.



Results of STD Observations
(P-77-4)

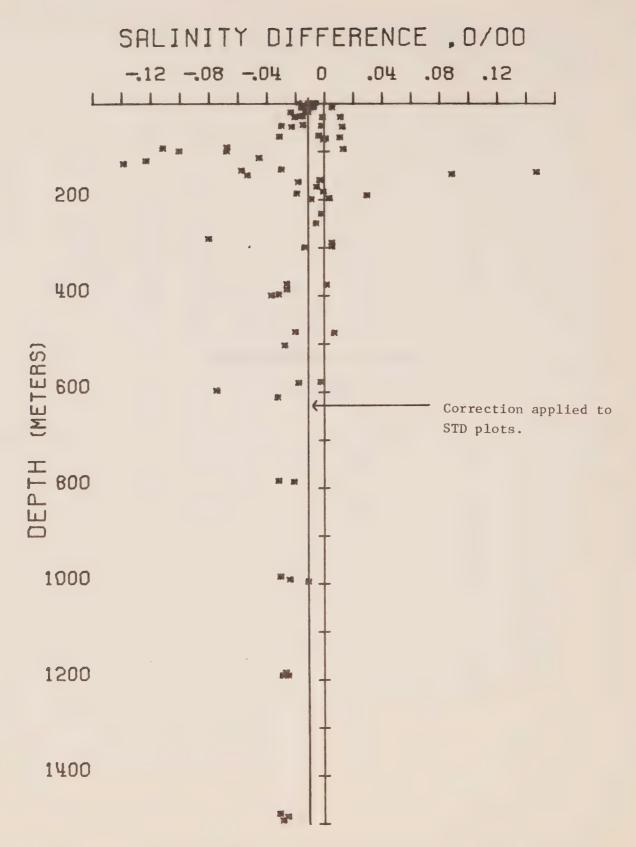


Figure 7. Salinity difference between hydro data and STD. P-77-4.

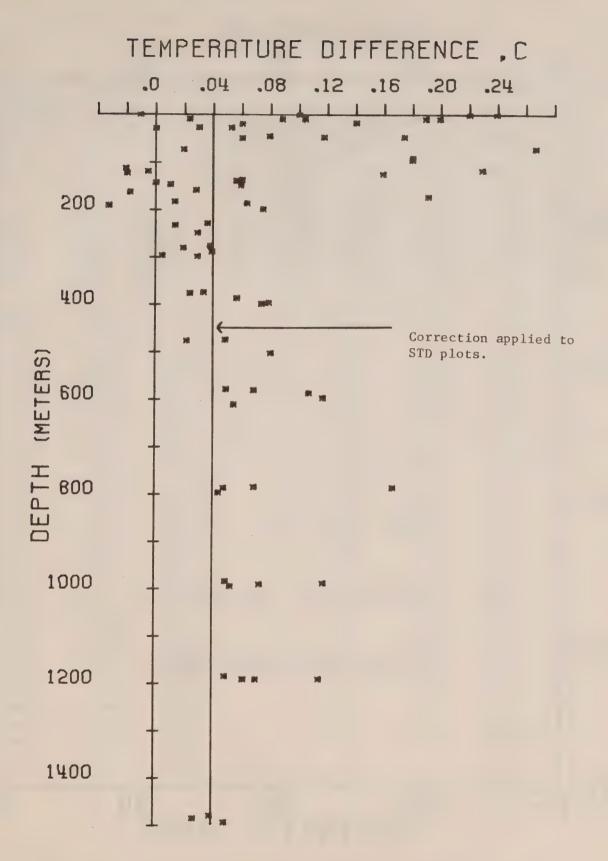
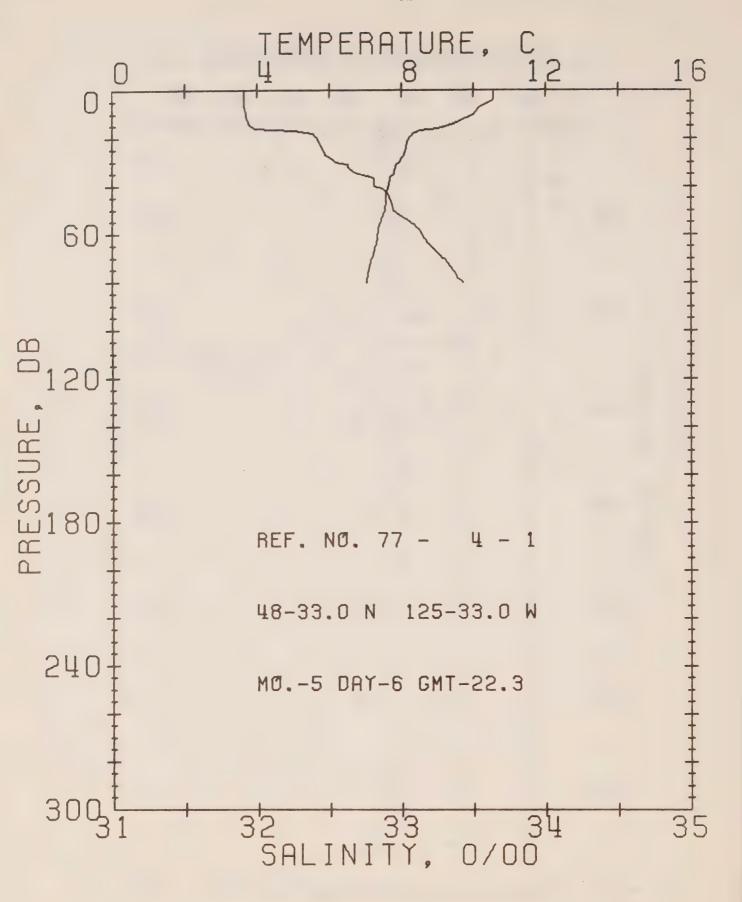


Figure 8. Temperature difference between hydro data and STD. P-77-4.

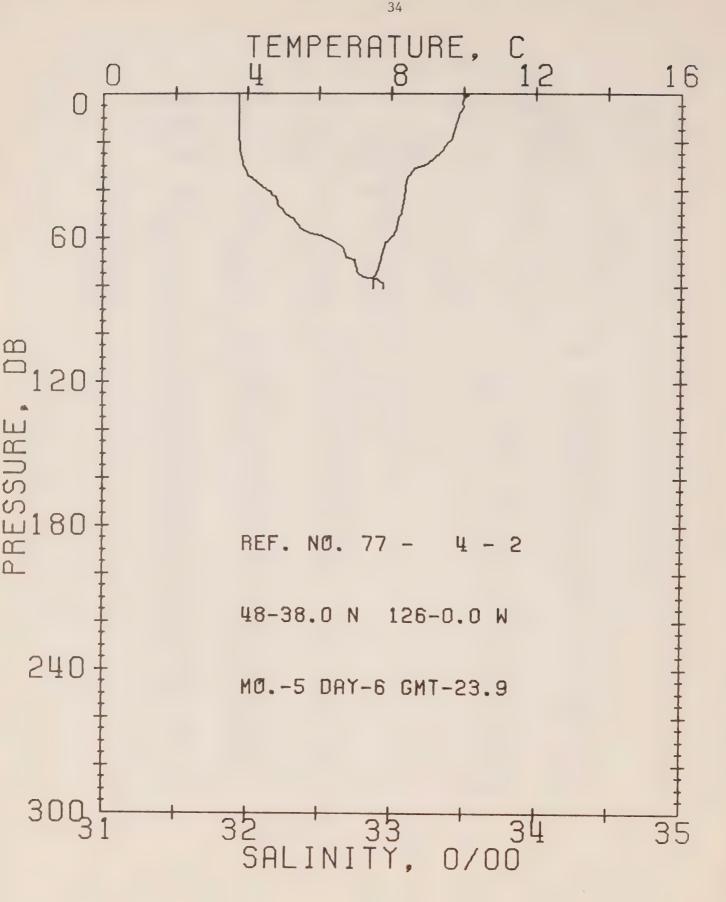


OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 1 DATE 6/ 5/77 STATION 1

POSITION 48-33.0N, 125-33.0W GMT 22.3
RESULTS OF STP CAST 51 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH		SVA	DELTA	POT.	SJUND
	40 50	7. 0.		7 4 7	267 0	D	EN	1400
0	10.58	31.91	0	24.47	347.2	0.0	0.0	1489.
10	10.03	31.92	10	24.57	338.1		0.02	1497.
20	8.24	32.41	20	25.23	275.2	0.66	0.06	1481.
30	7.94	32.54	30	25.38		0.93	0.13	1480.
50	7.54	32.94	50	25.75	226.5	1.40	0.33	1479.
75	7.10	33.36	75	26.14	189.7	1.92	0.65	1479.
DEPTH	TEMP	SAI		D	EPTH	TEMP	SAL	
0.	10.58	31.	91		40.	7.65	32.81	
1 .	10.57	31.0	91		41.	7.63	32.87	
3.	10.56	31.	91		42.	7.60	32.89	
4 .	10.55	31.	91		43.	7.58	32.90	
5.	10.45	31.	91		46.	7.56	32.92	
7.	10.22	31.	91		47.	7.56	32.93	
10.	10.03	31.	92		50 •	7.54	32.94	
11.	9.96	31.	92		52.	7.50	32.99	
12.	9.73	31 •	93		54.	7.44	33.04	
14.	9.46	31.	94		55.	7.43	33.06	
16.	9.05	31.	98		56.	7.40	33.03	
17.	8.54	32.	25		58•	7.37	33.12	
18.	8.32	32.	39		59.	7.35	33.13	
21.	8.20	32.	42		61.	7.34	33.15	
22.	8.16	32.	43		62.	7.33	33.16	
26.	8.10	32.	46		64.	7.32	33.19	
27.	8.09	32.4	47		66 •	7.26	33.22	
28.	8.02	32.	50		69.	7.23	33.27	
29.	7.99	32.	52		71.	7.15	33.31	
30.	7.94	32.	54		72.	7.14	33.32	
31 .	7.86	32.	53		75.	7.10	33.36	
32.	7.84	32.	63		77.	7.08	<b>33.</b> 38	
34.	7.80	32.	67		78.	7.07	33.39	
35.	7.78	32.	70		79.	7.04	33.41	
36.	7.72	32.	79		80.	7.04	33.43	
37.	7.69	32.	81					



D

EN

OFFSHORE OCEANOGRAPHY GROUP REFERENCE NO. 77- 4- 2 DATE 6/ 5/77 STATION 2 POSITION 48-38.0N, 126- 0.0W GMT 23.9 44 POINTS TAKEN FROM ANALOG TRACE RESULTS OF STP CAST DELTA POT. SOUND SIGMA SVA PRESS TEMP SAL DEPTH

T

							A-1 1	
0	9.99	31.96	0	24.61	334.1	0.0	0.0	1486
10	9.94	31.96	10	24.62	333.6	0.34	0.02	1486
20	9.69	31.96		24.66	329.7	0.67	0.07	1486
30	8.95	31.99	30	24.80	316.7	0.99	0.15	1483
50	8.36	32.29	50	25.12	286.3	1.59	0.39	1482
		32.80		25.62	239.2	2.24	0.80	1480
DEPTH	TEMP	SAL		D	EPTH	TEMP	SAL	
0.	9.99	31.96			50 .	8.36	32.29	
1 •	10.21	31.96			51.	8.32	32.31	
2.	16.08	31.96			52.	8.28	32.34	
4.	10.06	31.96			56.	8.24	32.39	
6.	10.09	31.96			58.	8.18	32.46	
8.	9.97	31.96			59.	8.15	32.53	
15.	9.85	31.96			61.	8.02	32.61	
	9.77				62.		32.64	
21.	9.62	31.97			63.	7.91	32.67	
24.	9.49	31.97			64.	7.89	32.69	
27.	9.28	31.98			67.	7.84	32.70	
	9.12				68.	7.82	32.71	
	8.95				69.	7.80	32.77	
31.	8.76	32.00			70.	7.78	32.77	
	8.58	32.02			73.	7.73	32.78	
	8.53				74.	7.71	32.78	
		32.13			76.	7.64	32.82	
	8.47				77.	7.61	32.92	

78.

79.

80.

81.

7.61

7.61

7.61

7.61

32.95

32.97

32.97

32.97

8.46

8.45

8.43

8.40

42.

43.

46.

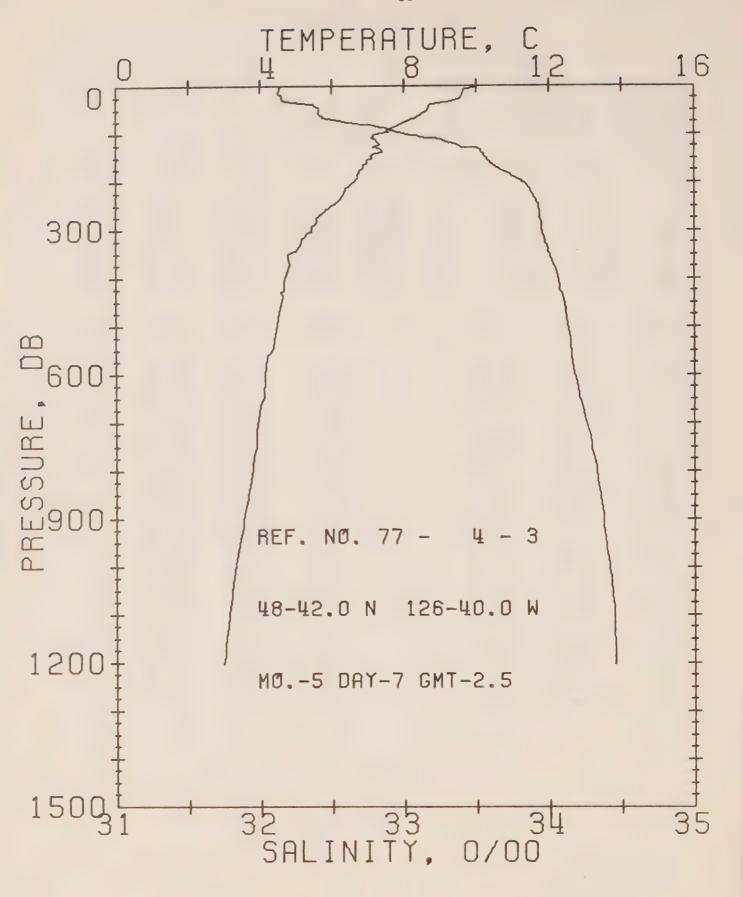
47.

32.19

32.22

32.23

32.24



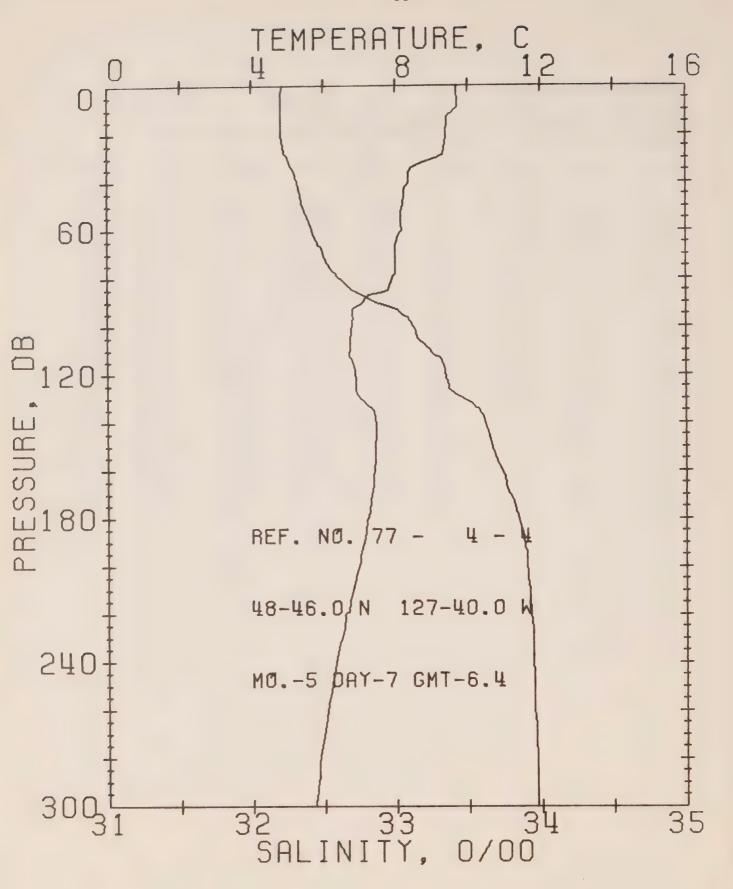
UFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 3 DATE. 7/5/77 STATION 3

POSITION 48-42.0N, 126-40.0W GMT 2.5

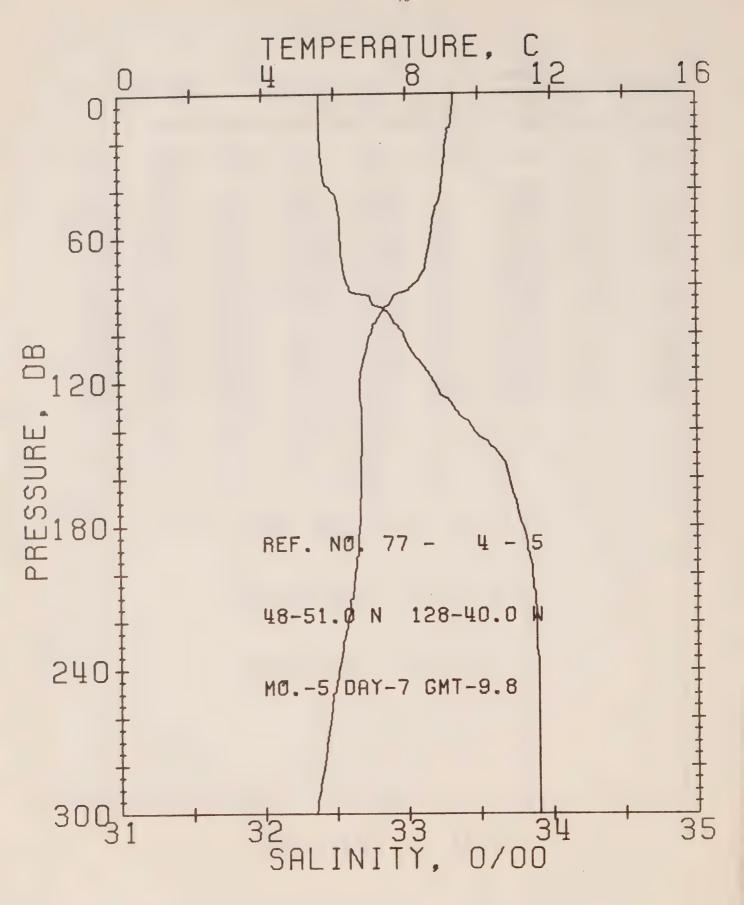
RESULTS OF STP CAST 187 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		U	EN	
0	9.97	32.17	0	24.77	318.2	0.0	0.0	1487.
10	9.70	32.15	10	24.80	315.9	0.32	0.02	1486.
20	9.65	32.16	20	24.81	314.9	0.63	0.00	1486.
30	9.48	32.17	30	24.85	311.3	0.95	0.14	1485.
50	8.70	32.42	50	25.17	281.4	1.53	0.38	1483.
75	3.11	32.60	75	25.40	259.7	2.22	0.82	1481.
100	7.31	33.03	99	25.85	217.5	2.81	1.34	1479.
125	7.25	33.40	124	26.15	189.5	3.31	1.92	1480.
150	7.16	<b>33.</b> 58	149	26.31	174.9	3.76	2.55	1480.
175	6.84	33.69	174	26.43	163.2	4.19	3.25	1480.
200	6.67	33.83	199	26.57	150.9	4.58	4.00	1479.
225	6.37	33.90	223	26.66	142.1	4.94	4.79	1479.
250	6.04	33.94	248	26.73	135.3	5.29	5.63	1478.
300	5.49	33.96	298	26.82	127.6	5.94	7.45	1477.
400	4.75	34.08	397	27.00	111.3	7.12	11.66	1475.
500	4.53	34.14	496	27.07	104.8	8.20	16.60	1475.
600	4.20	34.19	595	27.15	98.6	9.22	22.29	1476.
800	3.82	34.34	793	27.31	84.7	11.04	35.28	1478.
1000	3.35	34.43	991	27.42	74.3	12.63	49.84	1480.
1200	3.01	34.47	1188	27.49	68.9	14.06	65.77	1482.



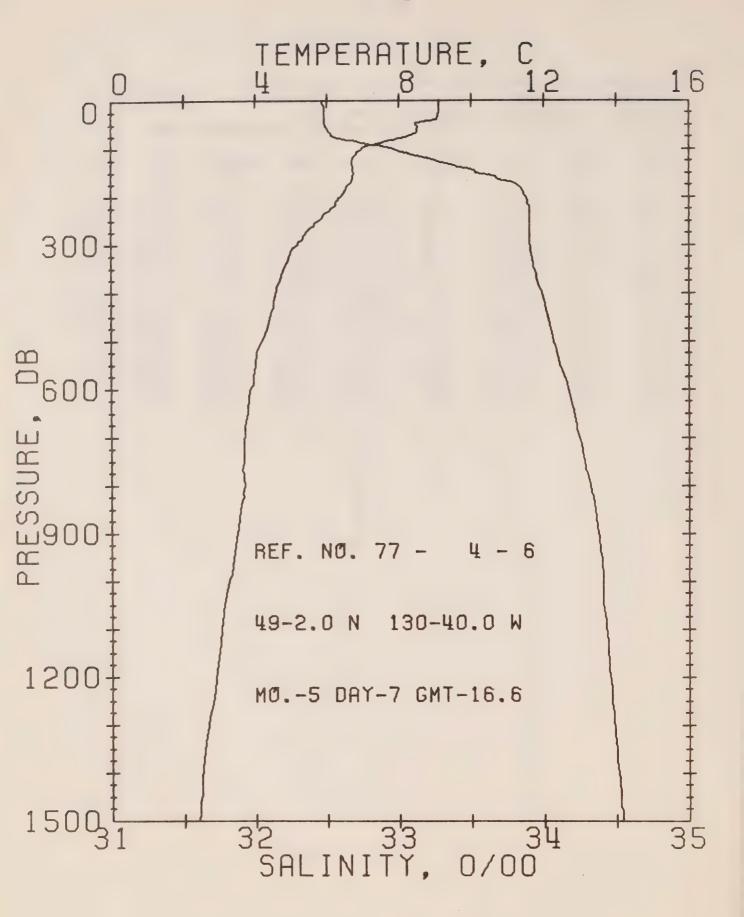
OFFSHORE UCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 4 DATE 7/ 5/77 STATION 4
POSITION 48-46.0N, 127-40.0W GMT 6.4
RESULTS OF STP CAST 111 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	Da.L.TA	POT. EN	SUUND
0	9.70	32.22	0	24.86	310.3	C • O	0.0	1486.
10	9.67	32.21	10	24.85	311.0	0.31	0.02	1486.
20	9.41	32.21	20	24.90	307.1	0.62	0.06	1485.
30	9.12	32.25	30	24.97	300.0	0.92	0.14	1484.
50	8.20	32.36	50	25.20	279.1	1.49	0.37	1481.
75	8.00	32.54	75	25.37	263.0	2.17	0.80	1431.
100	6.79	33.12	99	25.99	204.0	2.76	1.32	1477.
125	6.90	33.37	124	26.17	187.3	3.24	1.88	1479.
150	7.44	33.67	149	26.33	172.7	3.69	2.50	1481.
175	7.29	33.82	174	26.48	159.4	4.10	3.19	1481.
200	6.96	33.90	199	26.58	149.2	4.49	3.92	1481.
225	6.56	33.94	223	26.6.7	141.8	4 • 85	4.71	1480.
250	6.21	33.95	248	26.72	136.7	5.20	5.55	1479.
300	5.73	33.97	298	26.80	129.9	5.86	7.41	1478.



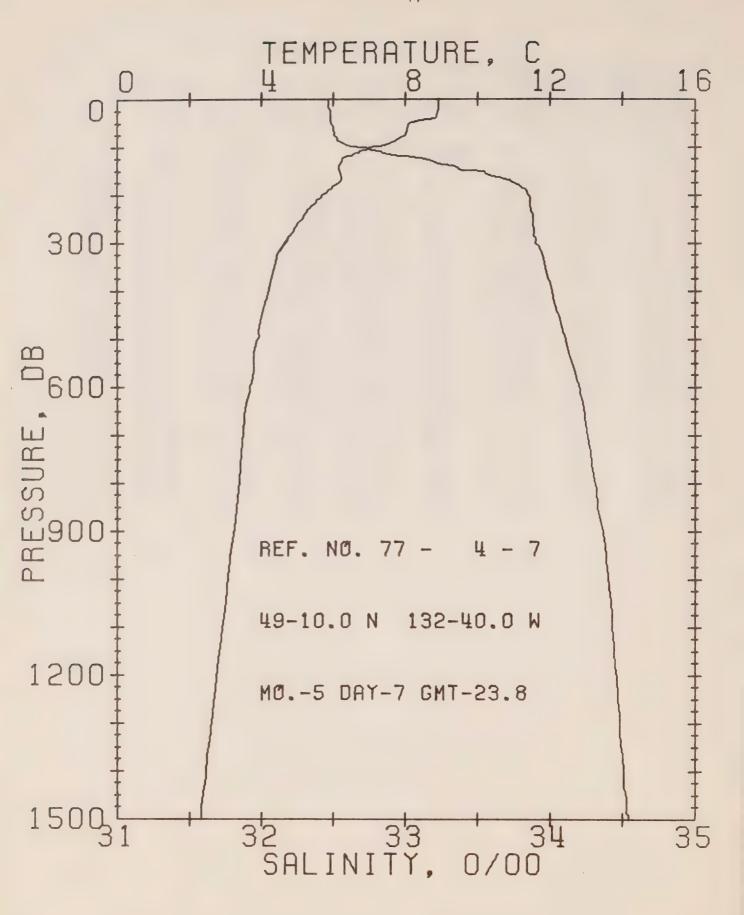
DEF SHORE DCEANOGRAPHY GROUP
REFERENCE NG. 77- 4- 5 DATE 7/ 5/77 STATION 5
POSITION 48-51.0N, 128-40.0W GMT 9.8
RESULTS JF STP CAST 118 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	9.34	32.40	0	25.06	291.4	0.0	0.0	1485.
10	9.29	32.40	10	25.06	291.1	0.29	0.01	1485.
20	9.12	32.40	20	25.09	288.3	0.58	0.06	1484.
30	9.05	32.42	30	25.11	286.5	0.87	0.13	1484.
50	8.78	32.53	50	25.25	274.2	1 • 43	0.36	1484.
75	3.43	32.57	75	25.33	266.8	2.11	0.79	1483.
100	7.02	32.98	99	25.85	217.4	2.71	1.33	1478.
125	6.70	33.23	124	26.09	195.0	3.23	1.92	1478.
150	6.74	33.63	149	26.40	165.7	3.68	2.55	1479.
175	6.69	33.77	174	26.51	155.4	4.08	3.21	1479.
200	6.54	33.86	199	26.61	146.8	4.45	3.93	1479.
225	6.27	33.89	223	26.67	141.6	4.81	4.71	1478.
250	5.90	33.90	248	26.72	136.6	5.16	5.55	1477.
300	5.42	33.90	298	26.78	131.3	5.83	7.43	1476.



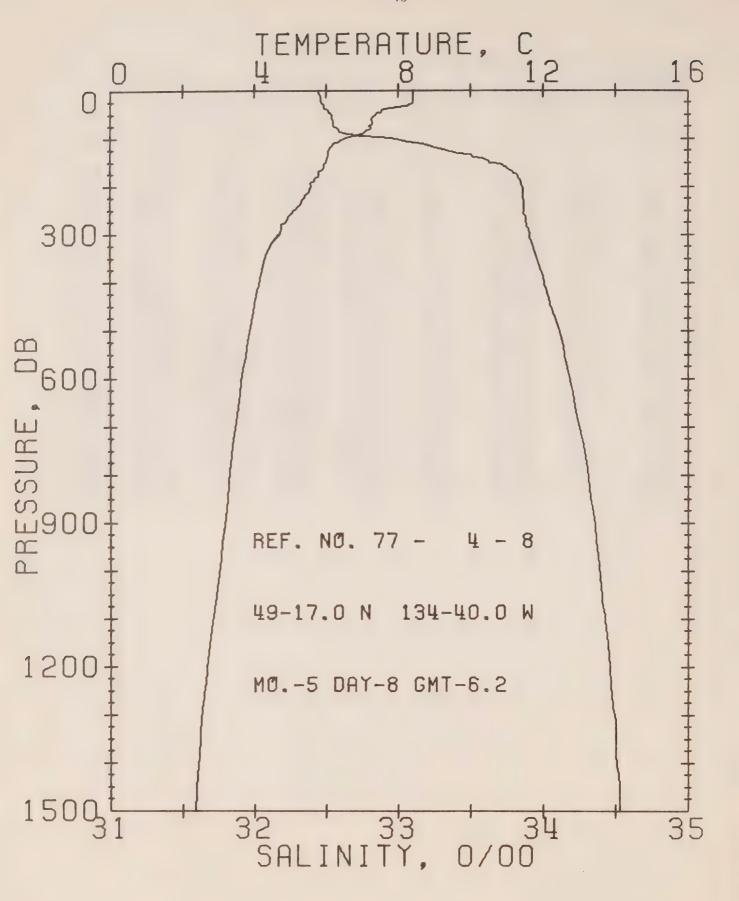
OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 4- 6 DATE 7/ 5/77 STATION 6
POSITION 49- 2.0N. 130-40.0W GMT 16.6
RESULTS OF STP CAST 185 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SUUND
				T		D	EN	
0	9.12	32.47	0	25.14	282.9	0.0	0.0	1484.
10	9.12	32.48	10	25.15	282.9	0.28	0.01	1484.
20	9.11	32.48	20	25.15	282.6	0.57	0.06	1484.
30	9.08	32.48	30	25.16	282.4	0.85	0.13	1484.
50	8.47	32.48	50	25.25	273.8	1 • 41	C.36	1482.
75	8.22	32.54	75	25.34	265.7	2.09	0.79	1482.
100	6.95	32.96	99	25.84	217.9	2.69	1.33	1478.
125	6.69	33.26	124	26.12	192.6	3.20	1.91	1478.
150	6.74	33.53	149	26.32	173.4	3.66	2.55	1479.
175	6.59	33.82	174	26.57	150.3	4.06	3.21	1479.
200	6.39	33.87	199	26.64	144.0	4.43	3.92	1478.
225	6.10	33.90	223	26.70	138.7	4.78	4.68	1478.
250	5.77	33.90	248	26.74	135.0	5.12	5.51	1477.
300	5.17	33.90	298	26.81	128.3	5.78	7.34	1475.
400	4.56	33.98	397	26.94	116.1	7.00	11.68	1474.
500	4.16	34.07	496	27.05	106.4	8.11	16.79	1474.
600	3.85	34.17	595	27.17	96.2	9.12	22.46	1475.
800	3.70	34.32	793	27.3C	85.0	10.92	35.25	1478.
1000	3.24	34.41	991	27.42	74.6	12.51	49.78	1479.
1200	2.89	34.46	1188	27.49	68.4	13.94	65.82	1481.
1500	2.41	34.54	1484	27.59	58.6	15.83	91.72	1484.



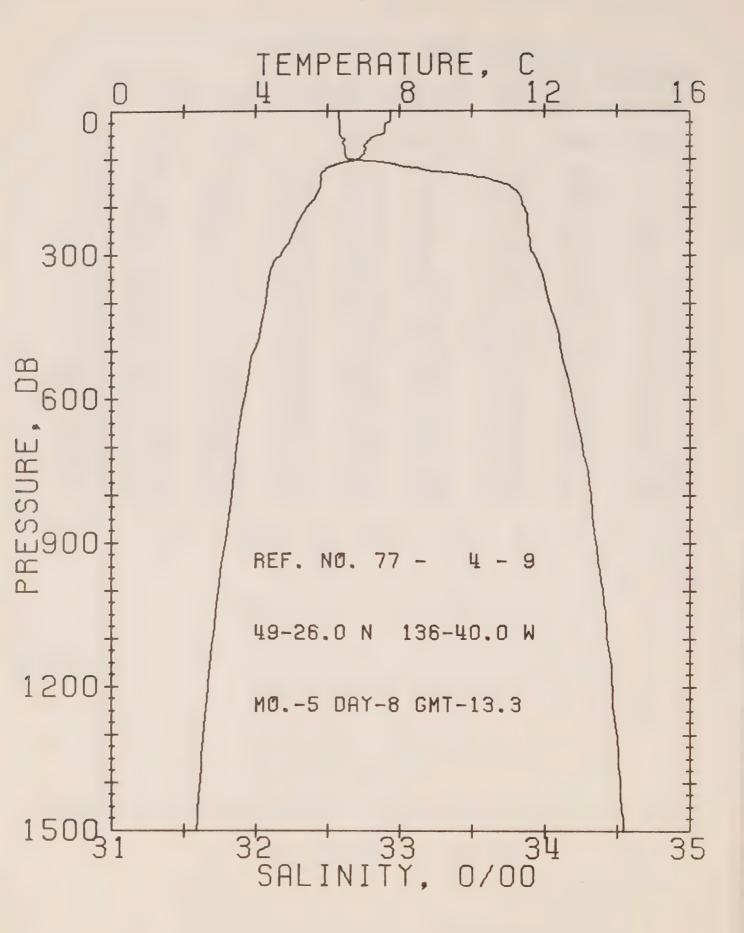
DEFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77= 4= 7 DATE 7/ 5/77 STATION 7
POSITION 49=10.0N, 132=40.0W GMT 23.8
RESULTS OF STP CAST 170 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DLLTA	PUT.	CAUCS
1 1100	1 100	572	DE FITT	T	344	D	EN.	27042
0	8.93	32.47	0	25.17	280.1	0.0	0.0	1483.
10	8.93	32.47	10	25.18	280 • 4	0.28	0.01	1483.
20	3.92	32.47	20	25.18	280.3	0.56	0.06	1483.
30	8.89	32.48	30	25.19	279.5	0.84	0.13	1484.
50	8.12	32.48	50	25.31	268.5	1.39	0.35	1481.
75	8.01	32.51	75	25.34	265.4	2.06	0.78	1481.
100	7.07	32.67	99	25.60	241.1	2.70	1.35	1478.
125	6.24	33.15	124	26.09	195.1	3.25	1.98	1476.
150	6.18	33.51	149	26.38	167.8	3.71	2.62	1476.
175	6.16	33.76	174	26.57	149.5	4 • 11	3.28	1477.
200	5.71	33.85	199	26.70	137.4	4.47	3.96	1476.
225	5.33	33.86	223	26.76	132.4	4.80	4.69	1475.
250	5.12	33.88	248	26.80	128.7	5.13	5.48	1474.
300	4.51	33.90	298	26.88	120.9	5.76	7.23	1472.
400	4.20	34.01	397	27.00	110.2	6.90	11.32	1473.
500	3.89	34.11	496	27.11	100.5	7.96	16.14	1473.
600	3.68	34.20	595	27.21	91.9	8.92	21.53	1474.
800	3.37	34.31	793	27.33	81.8	10.65	33.32	1476.
1000	3.06	34.40	990	27.43	73.2	12.19	47.99	1478.
1200	2.76	34.46	1188	27.50	66.9	13.59	63.67	1481.
1500	2.32	34.54	1484	27.60	57.5	15.47	89.37	1484.



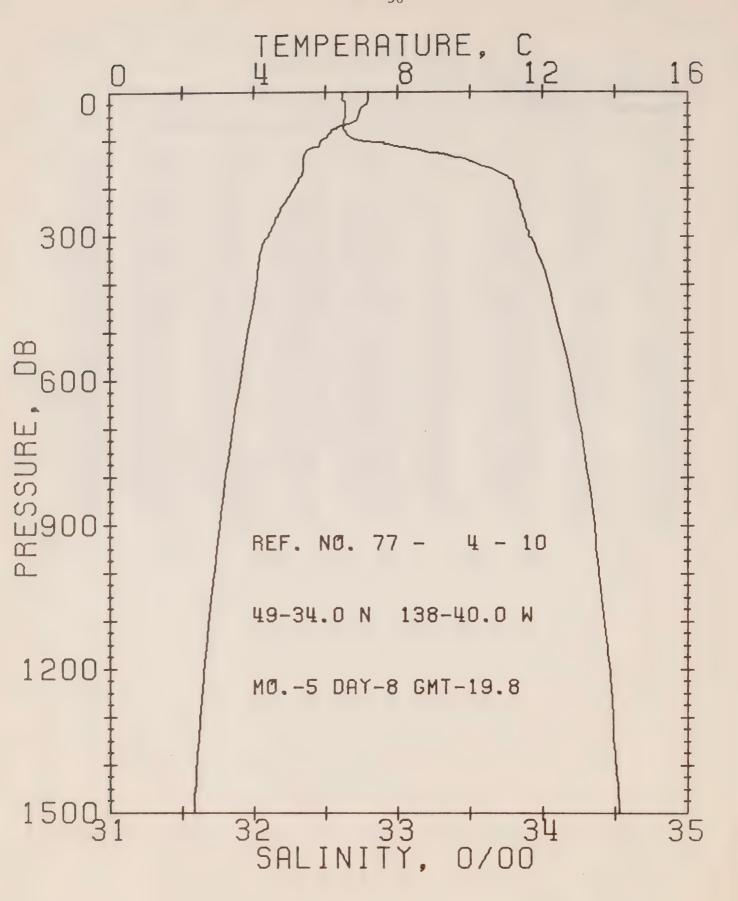
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4= 8 DATE 8/5/77 STATIUN 8
POSITION 49=17.0N. 134-40.0W GMT 6.2
RESULTS OF STP CAST 169 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	8.44	32.45	0	25.23	274.5	0.0	0.0	1481.
10	8.43	32.46	10	25.24	274.3	0.27	0.01	1481.
20	8.43	32.46	20	25.24	274.2	0 • 55	0.06	1482.
30	8.33	32.48	30	25.27	271.4	0.82	0.13	1481.
50	7.36	32.54	50	25.46	254.2	1.34	0.34	1478.
75	7.22	32.56	<b>7</b> 5	25.49	251.2	1.98	0.74	1478.
100	6.50	32.98	99	25.92	211.0	2.57	1.27	1476.
125	6.06	33.35	124	26.27	178.0	3.06	1.82	1475.
150	5.98	33.63	149	26.50	156.4	3.47	2.40	1476.
175	5.78	33.82	174	26.67	140.1	3.83	3.00	1475.
200	5.56	33.85	199	26.73	135.2	4.18	3.66	1475.
225	5.36	33.86	223	26.76	132.7	4.51	4.39	1475.
250	5.09	33.87	248	26.79	129.1	4 • 84	5.18	1474.
300	4.70	33.91	298	26.87	122.2	5.47	6.94	1473.
400	4.13	34.01	397	27.01	109.6	6.62	11.03	1473.
500	3.87	34.11	496	27.12	100.1	7.67	15.83	1473.
600	3.65	34.19	595	27.20	92.7	8.63	21.22	1474.
800	3.31	34.31	793	27.33	81.1	10.36	33.55	1476.
1000	3.01	34.39	990	27.42	73.4	11.91	47.71	1478.
1200	2.68	34.46	1188	27.51	65.9	13.30	63.26	1480.
1500	2.35	34.53	1484	27.59	58.6	15.15	88.65	1484.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 9 DATE 8/ 5/77 STATION 9
POSITION 49-26.0N. 136-40.0W GMT 13.3
RESULTS OF STP CAST 160 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				T		D	EN	
0	7.75	32.58	0	25.44	255.2	0.0	0.0	1479.
10	7.75	32.58	10	25.44	255.6	0.26	0.01	1479.
20	7.74	32.58	20	25.44	255.3	0.51	0.05	1479.
30	7.61	32.59	30	25.46	253.3	0.77	0.12	1479.
50	7.46	32.59	50	25.48	251.5	1.27	0.32	1479.
75	7.04	32.62	75	25.57	244.1	1.89	0.72	1477.
100	6.87	32.64	99	25.60	240.8	2.50	1.26	1477.
125	5.90	33.21	124	26.18	186.1	3.02	1.86	1474.
150	5.82	33.71	149	26.58	148.5	3.43	2.43	1475.
175	5.68	33.83	174	26.69	138.2	3.78	3.01	1475.
200	5.43	33.86	199	26.74	133.5	4.12	3.66	1475.
225	5.22	33.88	223	26.79	129.7	4.45	4.37	1474.
250	5.06	33.89	248	26.81	127.4	4.77	5.15	1474.
300	4.70	33.93	298	26.89	120.8	5.40	6.90	1473.
400	4.28	34.03	397	27.01	109.3	6.53	10.94	1473.
500	3.94	34.11	496	27.11	100.5	7.58	15.73	1474.
600	3.68	34.19	595	27.20	92.6	8.54	21.13	1474.
800	3.33	34.32	793	27.34	80.8	10.26	33.38	1476.
1000	2.96	34.40	990	27.44	72.1	11.80	47.45	1478.
1200	2.66	34.47	1188	27.51	65.2	13.17	62.79	1480.
1500	2.35	34.54	1484	27.60	57.8	15.01	88.00	1484.
							30400	. + 0 + •

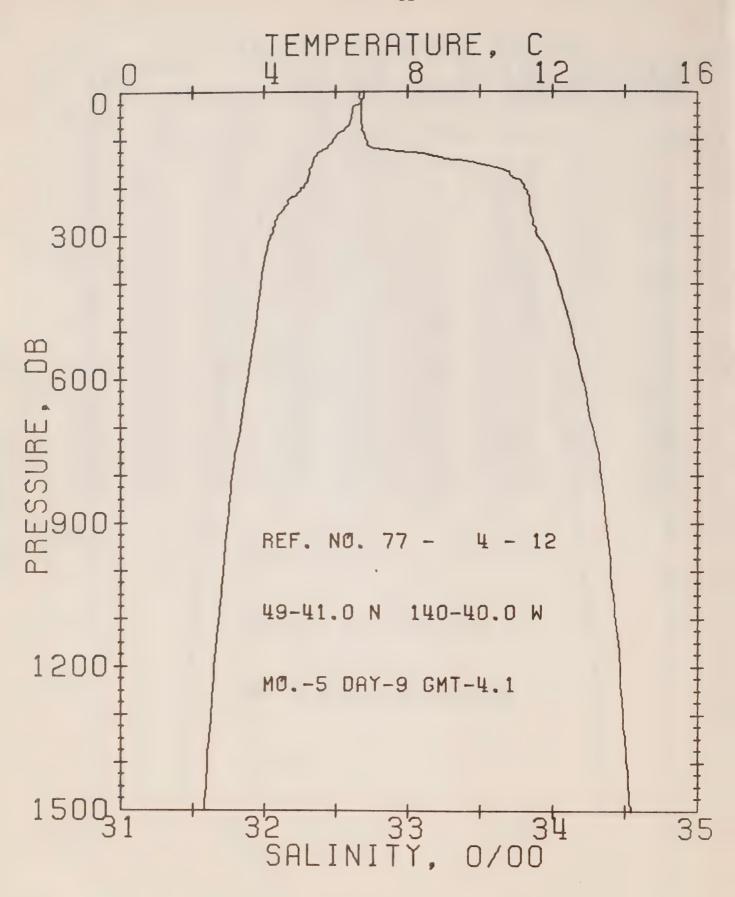


OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 10 DATE 8/ 5/77 STATION 10
POSITION 49-34.0N, 138-40.0W GMT 19.8

RESULTS OF STP CAST 145 POINTS TAKEN FROM ANALOG TRACE

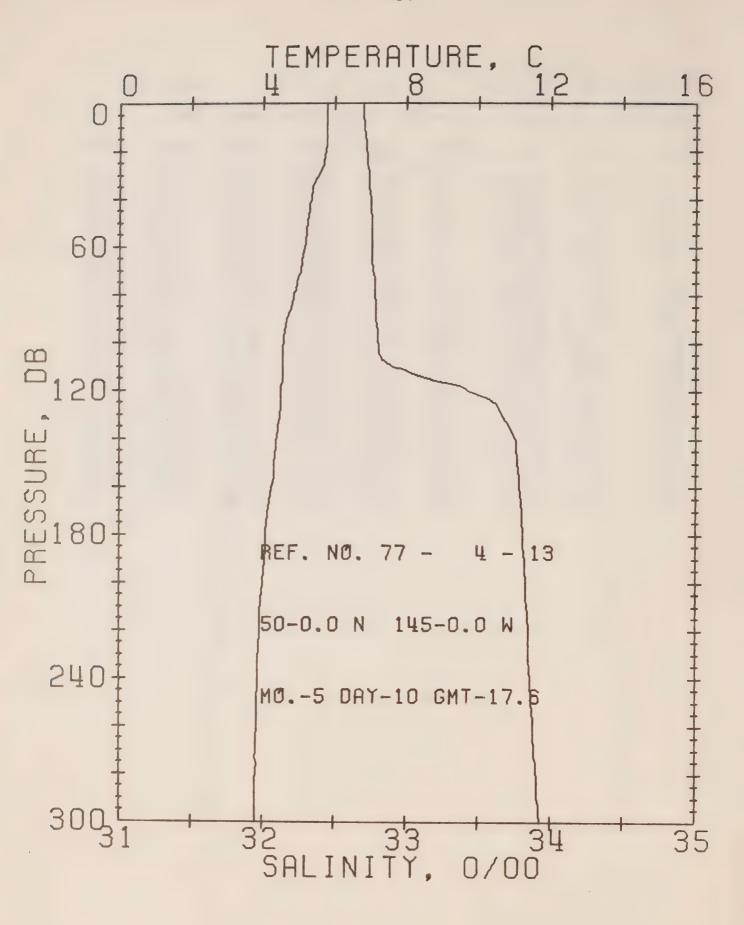
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DULTA	POT.	SOUND
				T		Ü	EN	
0	7.21	32.62	0	25.54	245.1	0.0	0.0	1477.
10	7.21	32.62	10	25.54	245.4	0.25	0.01	1477.
20	7.18	32.64	20	25.56	243.9	0.49	0.05	1477.
30	7.07	32.64	30	25.58	242.4	0.73	0.11	1477.
50	6.92	32.64	50	25.60	240.8	1.22	0.31	1476.
75	6.32	32.63	75	25.67	234.4	1.81	0.69	1474.
100	5.86	32.74	99	25.81	220.9	2.39	1.20	1473.
125	5.45	33.22	124	26.24	180.5	2.89	1.77	1473.
150	5.39	33.55	149	26.51	155.1	3.30	2.35	1473.
175	5.33	33.75	174	26.67	140.1	3.67	2.96	1474.
200	5.13	33.81	199	26.74	133.5	4 . C1	3.60	1473.
225	4.92	33.84	223	26.79	129.4	4.34	4.32	1473.
250	4.71	33.86	248	26.83	125.8	4.65	5.09	1472.
300	4.41	33.91	298	26.90	119.0	5.26	6.80	1472.
400	4.06	34.04	397	27.04	106.3	6 • 38	10.75	1472.
500	3.83	34.12	496	27.13	98.5	7.40	15.45	1473.
600	3.61	34.20	595	27.21	91.3	8.35	20.75	1474.
800	3.19	34.31	793	27.34	79.9	10.05	32.88	1476.
1000	2.89	34.39	990	27.43	72.2	11.57	46.75	1478.
1200	2.61	34.47	1188	27.52	64.5	12.94	62.00	1480.
1500	2.31	34.53	1484	27.59	58.1	14.78	87.33	1484.



OFFSHORE OCEANOGRAPHY GROUP STATION 11 9/ 5/77 REFERENCE NO. 77- 4- 12 DATE GMT 4.1 POSITION 49-41.0N. 140-40.0W 169 POINTS TAKEN FROM ANALOG TRACE RESULTS OF STP CAST

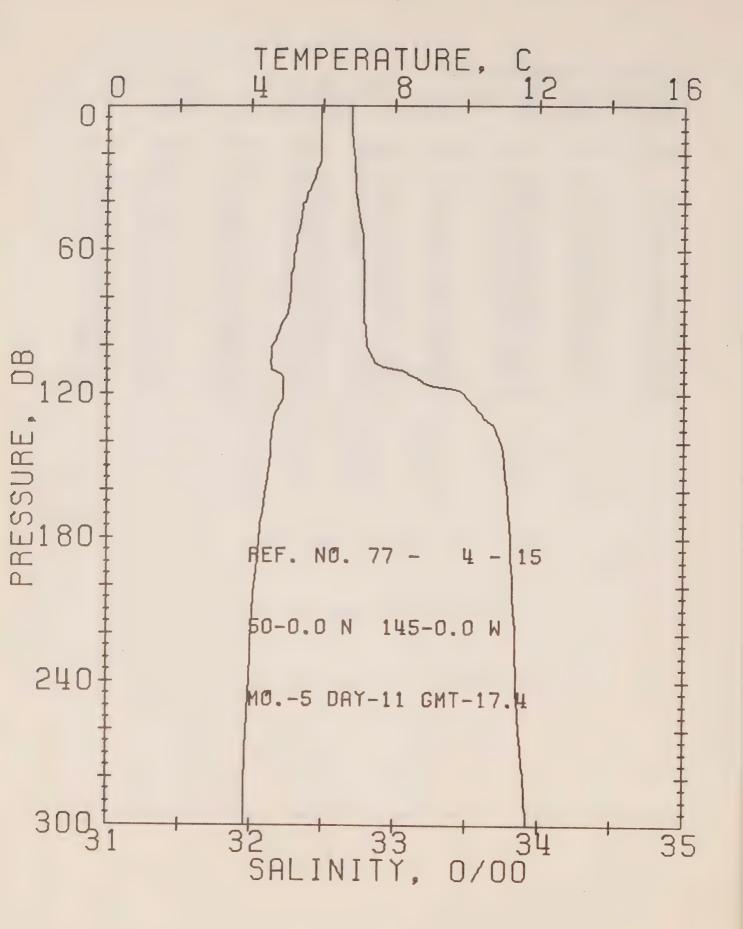
SVA DELTA POT . SOUND SIGMA TEMP SAL DEPTH PRESS D EN T 0.0 1475. 0.0 32.67 0 25.64 236.3 0 6.81 0.24 0.01 1475. 236.4 6.80 32.67 10 25.64 10 235.1 0.47 0.05 1475. 20 25.65 20 6.74 32.68 0.11 1475. 25.68 232.2 0.71 30 32.68 6.50 30 1.17 0.30 1475. 50 25.69 231.9 32.68 6.46 50 229.9 1.75 0.67 1475. 25.71 32.69 75 75 6.32 1.17 1473. 224.0 2.32 25.78 99 100 5.95 32.71 1.80 1473. 26.02 2.86 201.2 5.58 32.96 124 125 3.31 2.42 1473. 159.8 33.49 149 26.46 5.36 150 3.03 1473. 33.71 26.65 141.9 3.68 174 5.26 175 26.74 133.3 4.02 3.68 1473. 199 5.11 33.81 200 4.35 4.39 1472. 126.3 26.82 33.84 223 225 4.66 4.66 5.15 1472. 124.1 26.84 4.51 33.85 248 250 6.84 1471. 118.3 5.26 26.91 4.20 33.89 298 300 1472. 10.75 27.05 105.1 6.36 397 3.92 34.04 400 15.37 1473. 7.37 27.15 96.8 3.74 34.13 496 500 20.60 1474. 90.0 8.31 595 27.23 3.55 34.21 600 9.97 32.44 1475. 27.37 77.3 793 34.33 800 3.10 1478. 71.1 11.45 45.96 990 27.44 2.85 34.40 1000 61.11 1480. 12.80 34.47 27.52 64.4 1188 1200 2.60 14.64 86.34 1484. 57.4 1484 27.60 2.31 34.54

1500



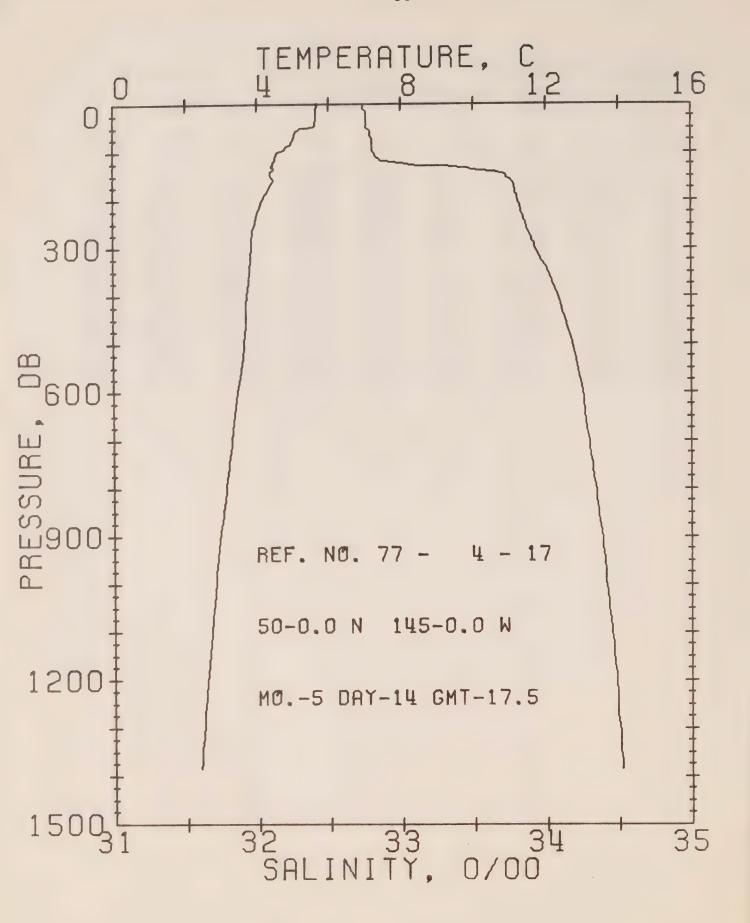
OFFSHORE DCEANDGRAPHY GROUP
REFERENCE NO. 77- 4- 13 DATE 10/ 5/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.6
RESULTS OF STP CAST 87 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DE PTH	SIGMA	SVA	DELTA	POT.	DANCE
				T		D	EN	
0	5.79	32.70	0	25.79	221.8	0.0	0.0	1471.
10	5.79	32.71	10	25.80	221.4	0.22	0.01	1471.
20	5.76	32.72	20	25.81	220.0	0.44	0.05	1471.
30	5.55	32.74	30	25.85	216.6	0.66	0.10	1471.
50	5.24	32.76	50	25.90	211.9	1.09	0.28	1470.
75	4.95	32.78	75	25.95	207.5	1.62	0.61	1469.
100	4.59	32.80	99	26.01	202.1	2.13	1.07	1468.
125	4.52	33.62	124	26.66	140.4	2.57	1.57	1469.
150	4.33	33.77	149	26.80	127.4	2.90	2.04	1469.
175	4.11	33.80	174	26.85	123.0	3.22	2.55	1469.
200	3.99	33.83	199	26.88	119.8	3.52	3.13	1469.
225	3.90	33.85	223	26.91	117.5	3.82	3.78	1469.
250	3.85	33.87	248	26.93	115.7	4.11	4.48	1469.
300	3.79	33.93	298	26.98	111.0	4.68	6.07	1469.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 15 DATE 11/ 5/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.4
RESULTS OF STP CAST 92 PDINTS TAKEN FROM ANALCG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	ET N	
0	5.95	32.70	0	25.77	223.6	C • C	0.0	1472.
10	5.95	32.70	10	25.77	223.9	0.22	0.01	1472.
20	5.94	32.72	20	25.78	222.8	0.45	0.05	1472.
30	5.78	32.73	30	25.81	220.1	0.67	0.10	1472.
50	5.38	32.77	50	25.89	212.9	1.10	0.28	1470.
<b>7</b> 5	5.13	32.79	75	25.94	208.7	1.63	0.61	1470.
100	4.59	32.81	99	26.01	201.6	2.14	1.07	1468.
125	4.78	33.56	124	26.58	147.6	2.59	1.58	1470.
150	4.53	33.76	149	26.77	130.1	2.93	2.05	1470.
175	4.27	33.80	174	26.83	124.6	3.25	2.58	1469.
200	4.10	33.82	199	26.86	121.7	3 • 55	3.17	1469.
225	4.01	33.84	223	26.89	119.4	3 • 85	3.82	1469.
250	3.94	33.86	248	26.91	117.8	4.15	4.54	1469.
300	3.83	33.92	298	26.97	112.2	4.72	6.14	1470.



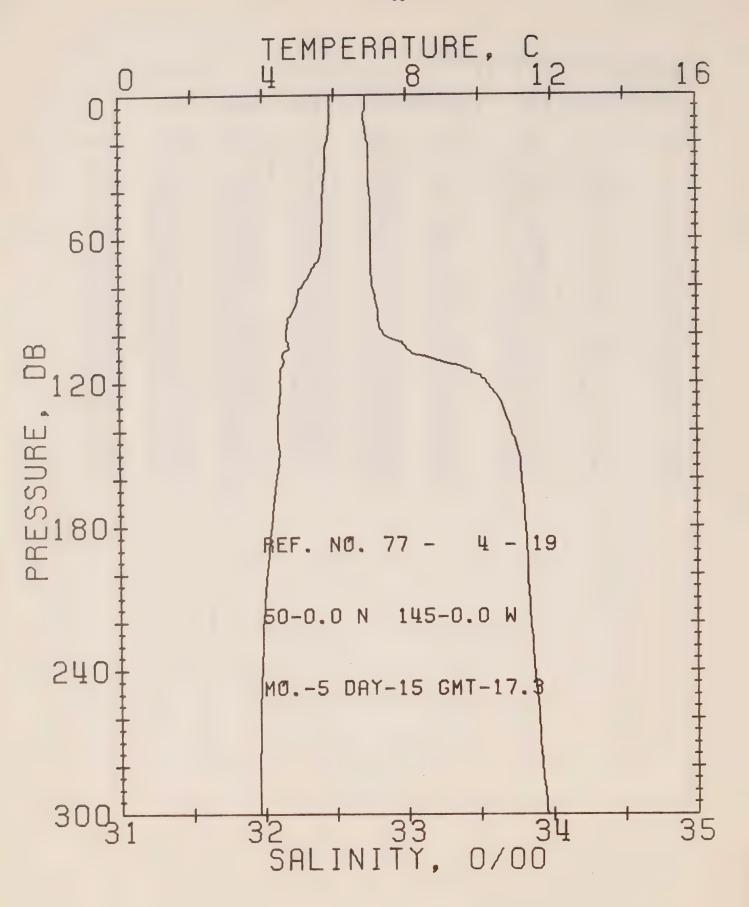
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 17 DATE 14/ 5/77 STATIUN P

POSITION 50- 0.0N, 145- 0.0W GMT 17.5

RESULTS OF STP CAST 146 POINTS TAKEN FROM ANALOG TRACE

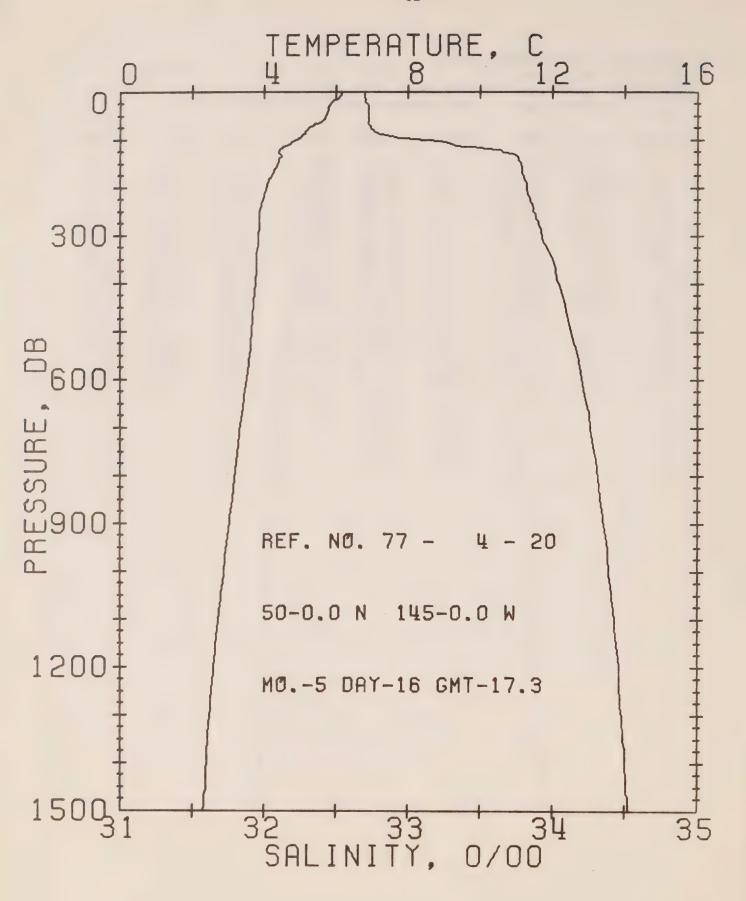
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		Ð	EN	
0	5.67	32.74	0	25.83	217.4	0.0	0.0	1471.
10	5.66	32.74	10	25.83	217.7	0.22	0.01	1471.
20	5.65	32.76	20	25.85	216.1	0.43	0.04	1471.
30	5.65	32.76	30	25.85	216.2	0.65	0.10	1471.
50	5.35	32.77	50	25.89	212.3	1.08	0.28	1470.
75	4.99	32.80	75	25.96	206.5	1.60	0.01	1469.
100	4.61	32.81	99	26.01	201.9	2.11	1.06	1468.
125	4.44	33.07	124	26.23	180.8	2.61	1.63	1468.
150	4.39	33.73	149	26.76	131.3	2.98	2.14	1469.
175	4.32	33.78	174	26.81	126.7	3.30	2.67	1469.
200	4 • 14	33.80	199	26.85	123.2	3.61	3.27	1469.
225	4.01	33.83	223	26.88	120.1	3.91	3.93	1469.
250	3.92	33.86	248	26.91	117.3	4.21	4.65	1469.
300	3.83	33.93	298	26.98	111.4	4.78	6.25	1470.
400	3.71	34.08	397	27.11	99.6	5.83	9.99	1471.
500	3.63	34.18	496	27.20	92.2	6.79	14.38	1472.
600	3.45	34.25	595	27.27	85.9	7.68	1936	1473.
800	3.12	34.35	793	27.38	76.7	9.31	30.95	1475.
1000	2.81	34.41	990	27.46	69.7	10.77	44.31	1477.
1200	2.56	34.48	1188	27.53	63.2	12.10	59.15	1480.



OFFSHORE JCEANGGRAPHY GROUP
REFERENCE NO. 77- 4- 19 DATE 15/ 5/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3

RESULTS OF STP CAST 97 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	5.90	32.72	0	25.79	221.6	0.0	0.0	1472.
10	5.89	32.71	10	25.78	222.6	0.22	0.01	1472.
20	5.79	32.74	20	25.82	219.2	0.44	0.05	1472.
30	5.75	32.74	30	25.82	218.9	0.66	0.10	1472.
50	5.68	32.75	50	25.84	217.5	1.10	0.28	1472.
75	5.29	32.75	75	25.89	213.2	1.64	0.62	1470.
100	4.64	32.84	99	26.03	199.9	2.16	1.08	1468.
125	4.47	33.61	124	26.66	140.3	2.57	1.56	1469.
150	4.45	33.77	149	26.79	128.4	2.91	2.02	1470.
175	4.24	33.81	174	26.84	123.6	3.22	2.54	1469.
200	4.07	33.83	199	26.87	120.7	3.52	3.13	1469.
225	3.95	33.86	223	26.91	117.7	3.82	3.77	1469.
250	3.89	33.89	248	26.94	114.9	4.11	4.48	1469.
300	3.85	33.96	298	27.00	109.4	4.68	6.05	147C.



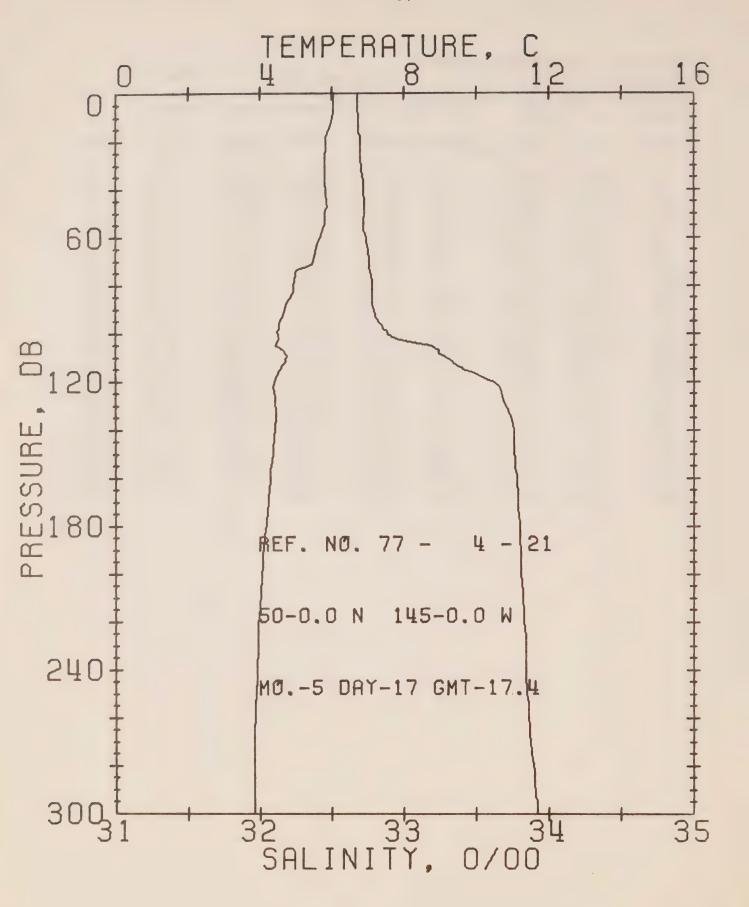
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 20 DATE 16/ 5/77 STATION P

PUSITION 50- 0.0N, 145- 0.0W GMT 17.3

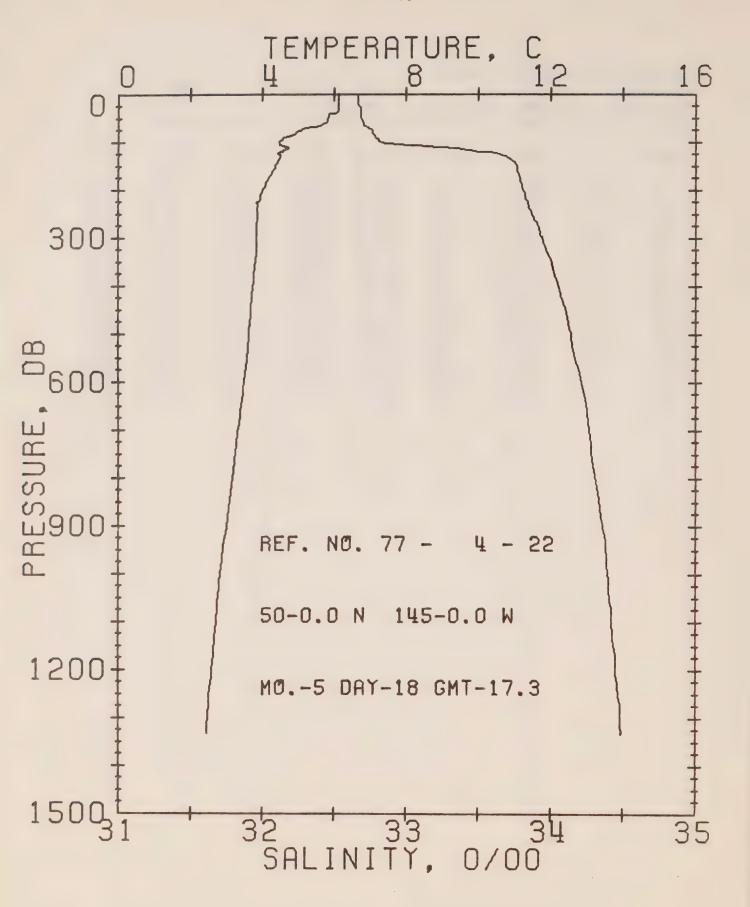
RESULTS OF STP CAST 187 POINTS TAKEN FROM ANALOG TRACE

PRESS	To:MP	SAL	DEPTH	SIGMA	SVA	DELTA	PGT.	SJUND
				Т		D	EN	
0	6.16	32.70	0	25.74	226.1	0.0	0.0	1473.
10	6.11	32.70	10	25.75	225.8	0.23	0.01	1473.
20	5.91	32.71	20	25.78	222.8	0.45	0.05	1472.
30	5.79	32.73	30	25.81	220.1	0.67	0.10	1472.
50	5.72	32.73	50	25.82	219.5	1.11	0.28	1472.
<b>7</b> 5	5.22	32.74	75	25.89	213.4	1.66	0.63	1470.
100	4.92	33.11	99	26.21	182.6	2.17	1.08	1470.
125	4.41	33.66	124	26.70	136.2	2.56	1.53	1469.
150	4.36	33.78	149	26.80	126.9	2.88	1.99	1469.
175	4.20	33.80	174	26.84	124.0	3.20	2.51	1469.
200	4.05	33.82	199	26.87	121.2	3.50	3.09	1469.
225	3.96	33.84	223	26.90	118.6	3.81	3.74	1469.
250	3.88	33.87	248	26.92	116.1	4.10	4.45	1469.
300	3.85	33.93	298	26.98	111.6	4.67	6.04	1470.
400	3.75	34.04	397	27.07	103.0	5.74	9.85	1471.
500	3.65	34.13	496	27.15	96.5	6.73	14.41	1472.
600	3.51	34.20	595	27.22	90.2	7.66	19.63	1474.
800	3.17	34.31	793	27.35	79.7	9.36	31.67	1476.
1000	2.88	34.39	990	27.43	72.2	10.87	45.53	1478.
1200	2.60	34.46	1188	27.51	65.0	12.24	60.87	1480.
1500	2.30	34.52	1483	27.59	58.8	14.10	86.35	1434.



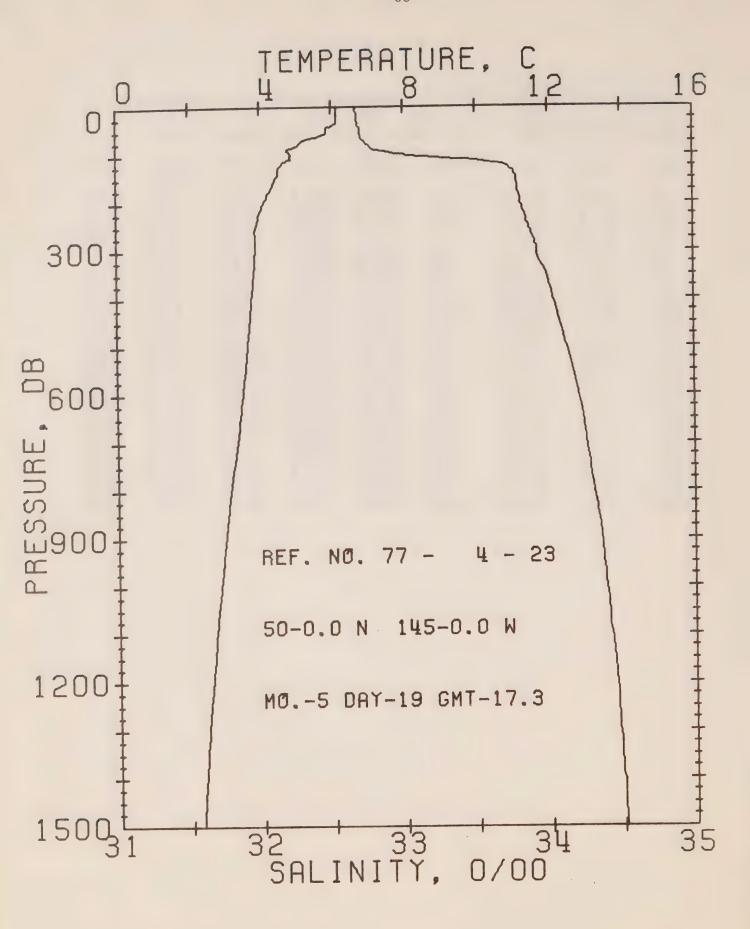
OFFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 4- 21 DATE 17/ 5/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.4
RESULTS OF STP CAST 105 POINTS TAKEN FROM ANALOG TRACE

PRESS	THMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	6.04	32.68	0	25.74	226.2	0.0	0.0	1472.
10	6.03	32.69	10	25.75	225.7	0.23	0.01	1472.
20	5.84	32.70	20	25.78	222.8	0.45	0.05	1472.
30	5.81	32.71	30	25.79	222.0	0.67	0.10	1472.
50	5.82	32.73	50	25.81	220.7	1.12	0.28	1472.
75	4.97	32.77	75	25.94	208.3	1.66	0.63	1465.
100	4.50	32.89	99	26.08	194.7	2.17	1.08	1468.
125	4.42	33.67	124	26.71	135.1	2.57	1.54	1469.
150	4.37	33.76	149	26.79	128.3	2.90	2.00	1469.
175	4.21	33.79	174	26.83	124.6	3.21	2.52	1469.
200	4.05	33.81	199	26.86	121.9	3.52	3.11	1469.
225	3.94	33.84	223	26.89	118.9	3.82	3.70	1469.
250	3.89	33.85	248	26.91	117.6	4.12	4.47	1469.
300	3.84	33.92	298	26.97	112.3	4.69	6.08	147C.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 22
DATE 18/ 5/77
STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 181 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	6.14	32.67	0	25.72	228.1	0.0	0.0	1473.
10	6.14	32.67	10	25.72	228.5	0.23	0.01	1473.
20	6.13	32.67	20	25.72	228.5	0.46	0.05	1473.
. 30	6.13	32.69	30	25.74	227.0	0.68	0.10	1473.
50	5.82	32.69	50	25.78	223.6	1.14	0.29	1472.
75	5.08	32.77	75	25.93	209.6	1.68	0.64	1470.
100	4.48	32.82	99	26.03	199.4	2.20	1.09	1468.
125	4.46	33.65	124	26.69	137.4	2.61	1.57	1469.
150	4.37	33.77	149	26.79	128.0	2.94	2.03	1469.
175	4.17	33.79	174	26.83	124.6	3.26	2.55	1469.
200	4.00	33.81	199	26.86	121.4	3.57	3.14	1469.
225	3.87	33.84	223	26.90	118.1	3.87	3.79	1468.
250	3.88	33.87	248	26.92	116.1	4.16	4.50	1469.
300	3.84	33.94	298	26.98	110.8	4.72	6.08	1470.
400	3.74	34.05	397	27.08	102.1	5.79	9.87	1471.
500	3.63	34.14	496	27.16	95.2	6.77	14.38	1472.
600	3.49	34.21	595	27.24	89.2	7.70	19.56	1473.
800	3.17	34.31	793	27.35	79.7	9.38	31.55	1476.
1000	2.83	34.4C	990	27.44	71.2	10.88	45.28	1477.
1200	2.60	34.45	1188	27.51	65.8	12.25	60.59	1480.



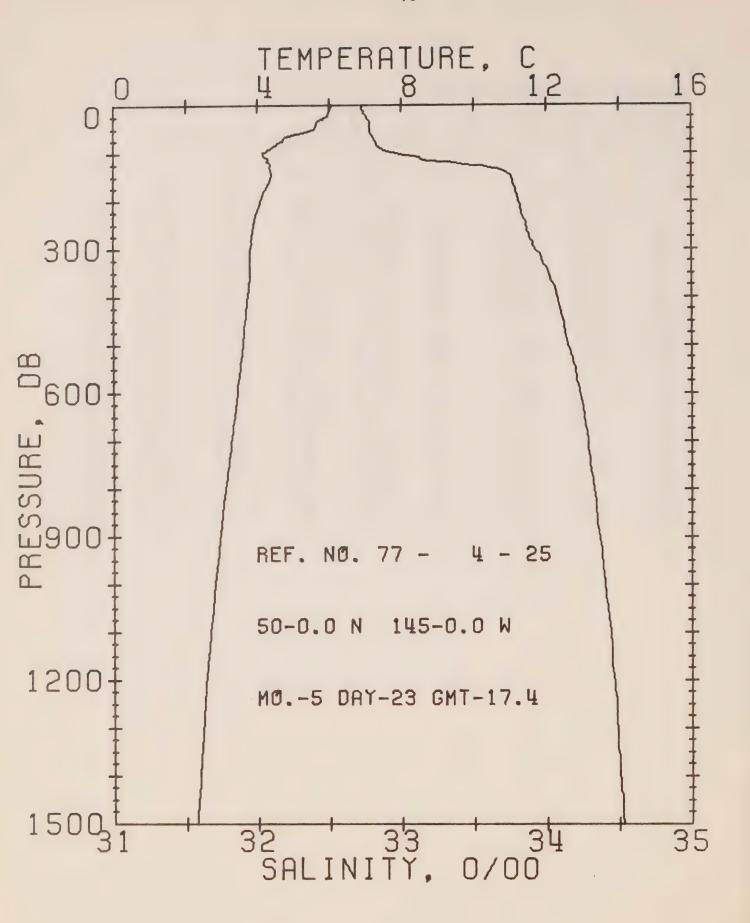
OFFSHORE DCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 23 DATE 19/ 5/77 STATION P

POSITION 50- 0.0N, 145- 0.0W GMT 17.3

RESULTS OF STP CAST 196 POINTS TAKEN FROM ANALCG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PCT.	SOUND
				T		D	EN	
0	6.17	32.67	0	25.72	228.5	0.0	0.0	1473.
10	6.16	32.67	10	25.72	228.5	0.23	0.01	1473.
20	6.17	32.68	20	25.73	228.1	0.46	0.05	1473.
30	5.17	32.68	30	25.73	228.2	0.68	0.10	1473.
50	5.87	32.70	50	25.78	223.4	1.14	0.29	1472.
75	5.14	32.74	75	25.89	212.7	1.69	0.64	1470.
100	4.87	33.01	99	26.14	189.8	2.20	1.09	1469.
125	4.54	33.72	124	26.74	132.8	2.59	1.54	1469.
150	4 • 43	33.78	149	26.80	127.7	2.91	1.99	1469.
175	4.28	33.79	174	26.82	125.5	3.23	2.52	1469.
200	4.09	33.81	199	26.86	122.4	3.54	3.11	1469.
225	3.96	33.84	223	26.89	119.1	3.84	3.76	1469.
250	3.88	33.87	248	26.92	116.4	4.14	4.48	1469.
300	3 • 86	33.92	298	26.97	112.5	4.71	6.03	1470.
400	3.74	34.03	397	27.06	104.0	5.79	9.92	1471.
500	3.63	34.12	496	27.15	96.5	6.79	14.52	1472.
600	3.49	34.20	595	27.23	89.9	7.72	19.73	1473.
800	3.12	34.31	793	27.35	79.5	9.42	31.78	1475.
1000	2.82	34.39	990	27.44	71.6	16.92	45.53	1477.
1200	2.57	34.45	1188	27.51	65.1	12.28	60.81	1480.
1500	2.28	34.51	1483	27.58	59.2	14.14	86.34	1484.

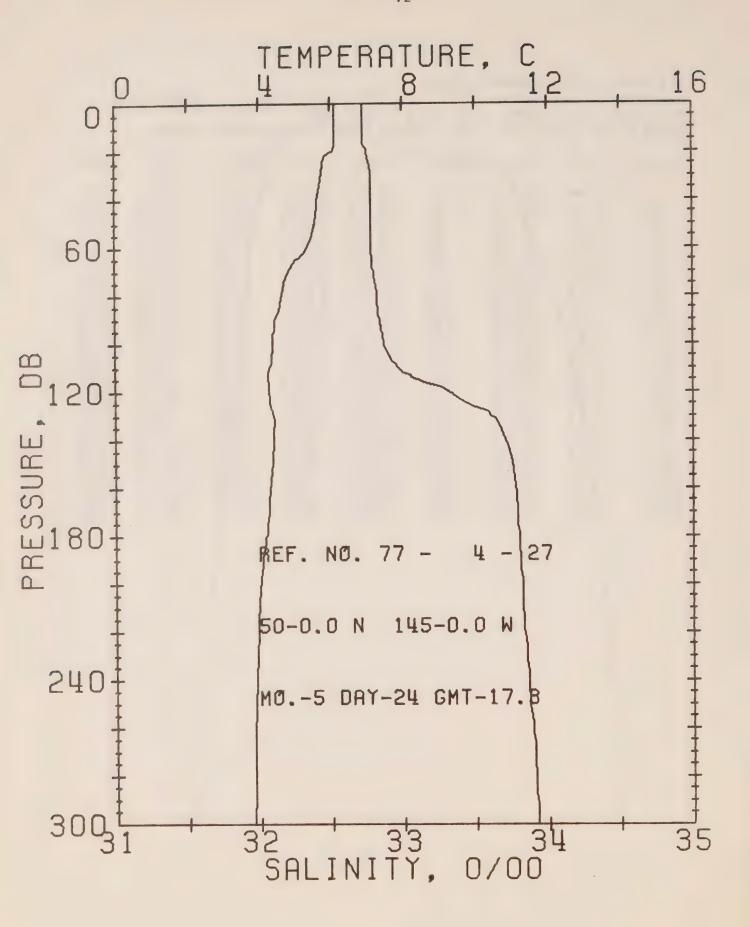


DEFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 25 DATE 23/ 5/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.4

RESULTS OF STP CAST 203 POINTS TAKEN FROM ANALOG TRACE

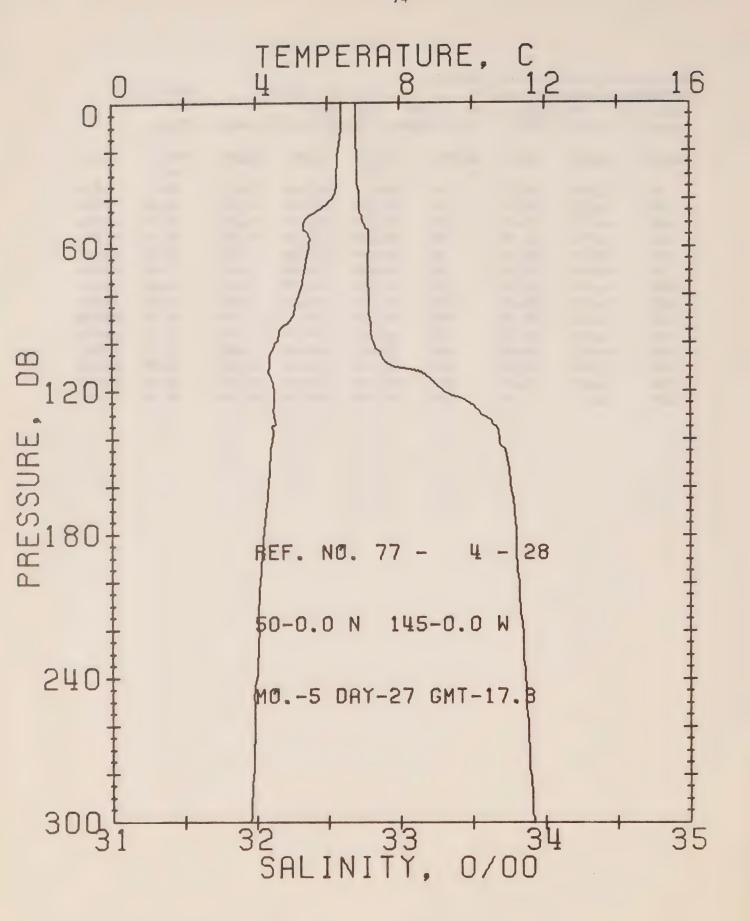
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DLLTA	PUT.	SJUND
				T		D	EN	
0	6.04	32.73	0	25.78	222.4	0.0	0.0	1472.
10	6.02	32.73	10	25.78	222.6	0.22	0.01	1472.
20	5.96	32.74	20	25.80	220.9	0.44	0.05	1472.
30	5.80	32.77	30	25.84	217.2	0.66	0.10	1472.
50	5.57	32.78	50	25.88	214.1	1.09	0.28	1471.
75	4.68	32.82	75	26.01	201.6	1.61	0.61	1468.
100	4.17	32.96	99	26.17	186.3	2.10	1.04	1466.
125	4.36	33.50	124	26.58	147.6	2.53	1.53	1468.
150	4.38	33.76	149	26.78	128.9	2.87	2.00	1469.
175	4.23	33.79	174	26.82	125.3	3.18	2.53	1469.
200	4.08	33.81	199	26.86	122.2	3.49	3.12	1469.
225	3.97	33.83	223	26.88	119.7	3.80	3.77	1469.
250	3.89	33.86	248	26.92	116.9	4.C9	4.49	1469.
300	3.80	33.92	298	26.97	111.9	4.66	6.09	1469.
400	3.73	34.07	397	27.10	100.4	5.72	9.84	1471.
500	3.60	34.15	496	27.18	94.2	6.69	14.30	1472.
600	3.43	34.23	595	27.26	87.1	7.59	19.35	1473.
800	3.10	34.33	793	27.37	77.7	9.24	31.06	1475.
1000	2.81	34.40	990	27.45	70.4	10.72	44.61	1477.
1200	2.55	34.47	1188	27.52	64.0	12.06	59.65	1480.
1500	2.28	34.53	1483	27.60	57.8	13.89	84.81	1484.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 27 DATE 24/ 5/77 STATION P
POSITION 50- C.ON, 145- 0.0W GMT 17.3

RESULTS OF STP CAST 116 POINTS TAKEN FROM ANALOG TRACE

TEMP	SAL	DEPTH	SIGMA	S.V.A	DELTA	POT.	SOUND
			T		D	EN	
6.14	32.73	0	25.77	223.6	0.0	0.0	1473.
6.13	32.73	10	25.77	223.8	0.22	0.01	1473.
6.04	32.75	20	25.80	221.4	0.45	0.05	1473.
5.75	32.78	30	25.86	215.9	0.66	0.10	1472.
5.56	32.78	50	25.88	213.9	1.09	0.28	1471.
4.69	32.81	75	26.00	202.3	1.62	0.61	1468.
4.36	32.87	99	26.08	195.0	2.11	1.05	1467.
4.31	33.45	124	26.55	151.0	2.56	1.56	1468.
4.35	33.75	149	26.78	128.9	2.90	2.03	1469.
4.22	33.79	174	26.83	124.9	3.21	2.55	1469.
4.01	33.82	199	26.87	120.8	3.52	3.14	1469.
3.93	33.84	223	26.90	118.3	3.82	3.79	1469.
3.86	33.87	248	26.93	115.9	4 • 11	4.50	1469.
3.82	33.92	298	26.97	112.1	4.68	6.09	1470.
	6.14 6.13 6.04 5.75 5.56 4.69 4.36 4.31 4.35 4.22 4.01 3.93 3.86	6.14 32.73 6.13 32.73 6.04 32.75 5.75 32.78 5.56 32.78 4.69 32.81 4.36 32.87 4.31 33.45 4.35 33.75 4.22 33.79 4.01 33.82 3.93 33.84 3.86 33.87	6.14 32.73 0 6.13 32.73 10 6.04 32.75 20 5.75 32.78 30 5.56 32.78 50 4.69 32.81 75 4.36 32.87 99 4.31 33.45 124 4.35 33.75 149 4.22 33.79 174 4.01 33.82 199 3.93 33.84 223 3.86 33.87 248	T 6.14 32.73 0 25.77 6.13 32.73 10 25.77 6.04 32.75 20 25.80 5.75 32.78 30 25.86 5.56 32.78 50 25.88 4.69 32.81 75 26.00 4.36 32.87 99 26.08 4.31 33.45 124 26.55 4.35 33.75 149 26.78 4.22 33.79 174 26.83 4.01 33.82 199 26.87 3.93 33.84 223 26.90 3.86 33.87 248 26.93	T 6.14 32.73 0 25.77 223.6 6.13 32.73 10 25.77 223.8 6.04 32.75 20 25.80 221.4 5.75 32.78 30 25.86 215.9 5.56 32.78 50 25.88 213.9 4.69 32.81 75 26.00 202.3 4.36 32.87 99 26.08 195.0 4.31 33.45 124 26.55 151.0 4.35 33.75 149 26.78 128.9 4.22 33.79 174 26.83 124.9 4.01 33.82 199 26.87 120.8 3.93 33.84 223 26.90 118.3 3.86 33.87 248 26.93 115.9	T D 6.14 32.73 0 25.77 223.6 0.0 6.13 32.73 10 25.77 223.8 0.22 6.04 32.75 20 25.80 221.4 0.45 5.75 32.78 30 25.86 215.9 0.66 5.56 32.78 50 25.88 213.9 1.09 4.69 32.81 75 26.00 202.3 1.62 4.36 32.87 99 26.08 195.0 2.11 4.31 33.45 124 26.55 151.0 2.56 4.35 33.75 149 26.78 128.9 2.90 4.22 33.79 174 26.83 124.9 3.21 4.01 33.82 199 26.87 120.8 3.52 3.93 33.84 223 26.90 118.3 3.82 3.86 33.87 248 26.93 115.9 4.11	T



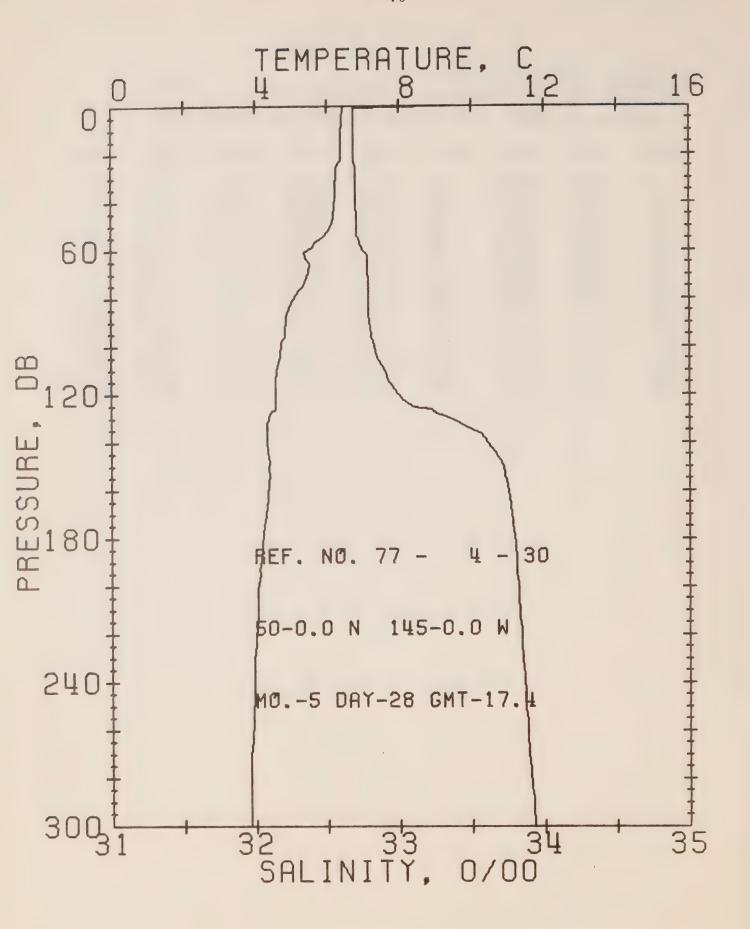
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 28 DATE 27/ 5/77 STATION P

POSITION 50- 0.0N, 145- 0.0W GMT 17.3

RESULTS OF STP CAST 121 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT. EN	SJUND
0	6.40	32.70	0	25.71	228.9	0.0	0.0	1474.
10	6.39	32.70	10	25.71	229.2	0.23	0.01	1474.
20	6.32	32.71	20	25.73	228.0	0.46	0.05	1474.
30	6.27	32.71	30	25.74	227.3	0.69	0.10	1474.
50	5.34	32.75	50	25.88	213.7	1.13	0.29	1470.
75	5.31	32.78	75	25.91	211.4	1.66	0.62	1471.
100	4.53	32.82	99	26.03	200.2	2.18	1.08	1468.
125	4.51	33.49	124	26.56	150.0	2.62	1.59	1469.
150	4.39	33.74	149	26.77	130.0	2.97	2.07	1469.
175	4.23	33.80	174	26.83	124.6	3.29	2.60	1469.
200	4.10	33.82	199	26.86	121.7	3.59	3.19	1469.
225	4.06	33.85	223	26.89	119.2	3.90	3.84	1469.
250	3.95	33.87	248	26.92	116.8	4.19	4.55	1469.
300	3.82	33.92	298	26.97	112.1	4.76	6.16	1470.



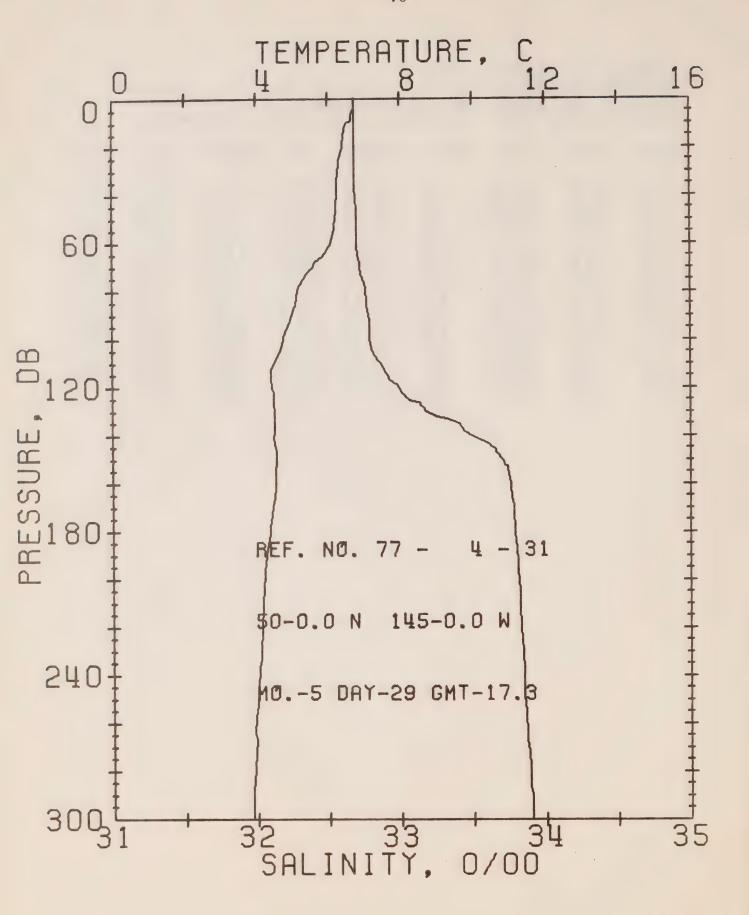
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 30 DATE 28/ 5/77 STATION P

POSITION 50- 0.0N. 145- 0.0W GMT 17.4

RESULTS OF STP CAST 106 POINTS TAKEN FROM ANALCG TRACE

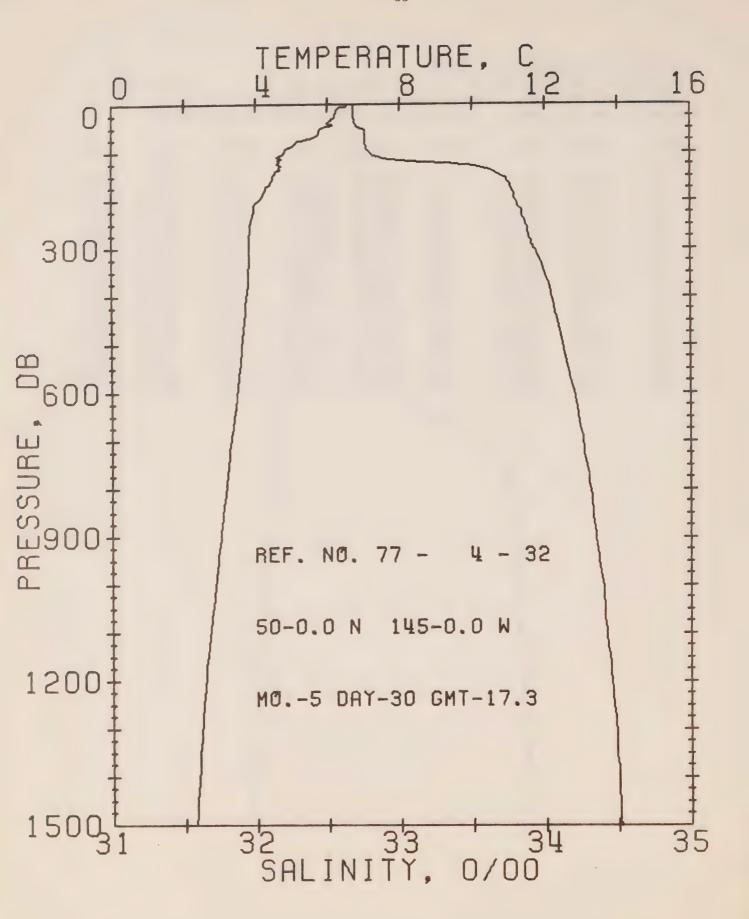
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DILTA	OOT	COLLEGE
PRE33	1 SMF	SAL	ULFIN		SVM	DLLTA	POT.	SUUND
				Т		D	FN	
0	6.46	33.26	0	26.15	187.8	0.0	0.0	1475.
10	6.41	32.69	10	25.70	230.2	0.23	0.01	1474.
20	6.40	32.69	20	25.70	230.1	0.46	0.05	1474.
30	6.25	32.70	30	25.73	227.8	0.69	0.11	1474.
50	6.10	32.71	50	25.76	225.5	1.14	0.29	1473.
75	5.30	32.79	75	25.92	210.5	1.68	0.63	1471.
100	4.71	32.83	99	26.01	201.7	2.20	1.09	1469.
1 25	4.57	33.10	124	26.24	179.9	2.68	1.65	1469.
150	4.38	33.72	149	26.75	131.6	3.05	2.16	1469.
175	4.24	33.78	174	26.82	125.8	3.37	2.69	1469.
200	4.06	33.82	199	26.87	121.3	3.68	3.28	1459.
225	3.98	33.84	223	26.89	119.0	3.98	3.93	1469.
250	3.93	33.87	248	26.92	116.6	4.27	4.64	1469.
300	3.83	33.93	298	26.98	111.4	4.84	6.23	147C.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 31 DATE 29/ 5/77 STATIUN P
POSITION 50- C.ON, 145- O.OW GMT 17.3

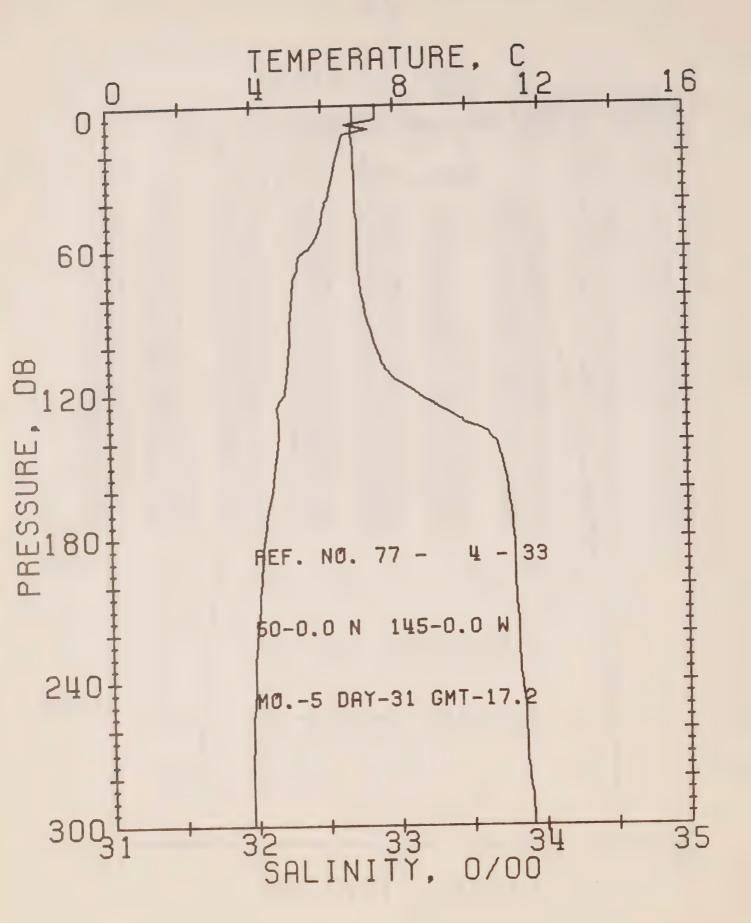
RESULTS OF STP CAST 95 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	6.76	32.69	0	25.66	234.1	0.0	0.0	1475.
10	6.59	32.69	10	25.68	232.4	0.23	0.01	1475.
20	6.44	32.69	20	25.70	230.7	0.46	0.05	1474.
30	6.30	32.69	30	25.72	229.1	0.69	0.11	1474.
50	6.21	32.70	50	25.74	227.5	1.15	0.29	1474.
75	5.31	32.74	75	25.88	214.4	1.71	0.65	1471.
100	4.75	32.79	99	25.98	204.8	2.23	1.11	1469.
125	4.49	33.06	124	26.22	182.0	2.72	1.67	1468.
150	4.56	33.71	149	26.73	134.2	3.10	2.21	1470.
175	4.40	33.78	174	26.80	127.3	3.43	2.75	1470.
200	4.20	33.81	199	26.85	123.1	3.74	3.34	1469.
225	4.11	33.83	223	26.87	120.9	4 • 05	4.00	1469.
250	4.01	33.85	248	26.90	118.8	4.35	4.73	1469.
300	3 • 86	33.90	298	26.95	114.1	4.93	6.35	1470.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 32 DATE 30/ 5/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.3
RESULTS OF STP CAST 181 POINTS TAKEN FROM ANALOG TRACE

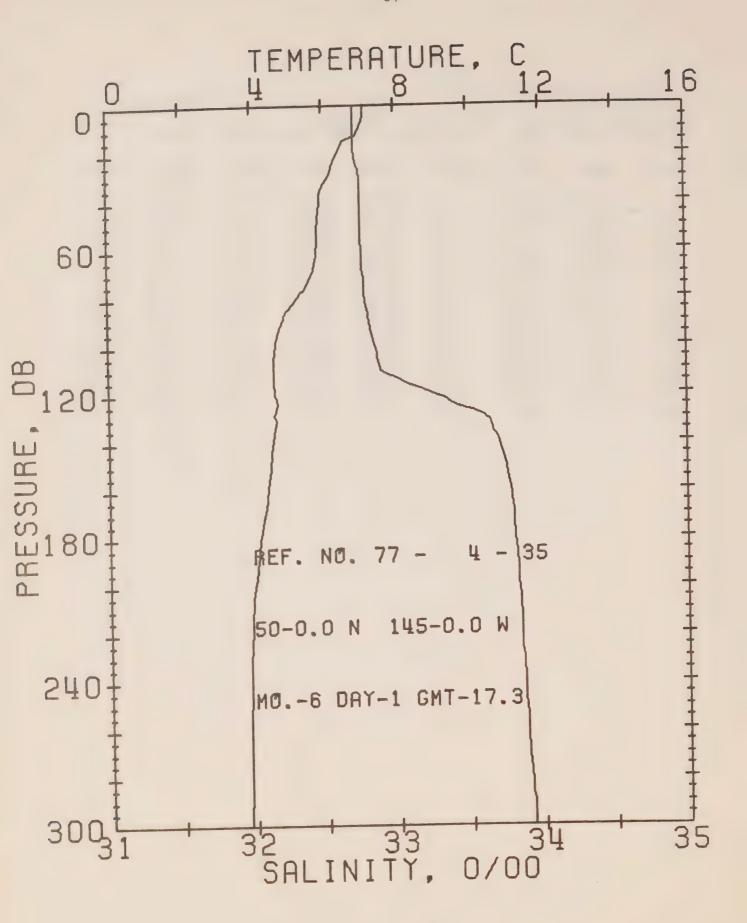
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DULTA	POT.	SOUND
				T		D	EN	
0	6.01	32.69	0	25.75	225.0	0.0	0.0	1472.
10	6.30	32.68	10	25.71	229.6	0.23	0.01	1473.
20	6.22	32.68	20	25.72	228.8	0.46	0.05	1473.
30	6.15	32.68	30	25.73	228.1	0.69	0 • 1 1	1473.
50	5.84	32.73	50	25.81	220.9	1.14	0.29	1472.
75	5.27	32.76	75	25.90	212.4	1.68	0.63	1470.
100	4.79	32.79	99	25.98	205.0	2.21	1 • 10	1469.
125	4.66	33.43	124	26.49	156.1	2.68	1.64	1470.
150	4.48	33.71	149	26.74	133.3	3.04	2.14	1470.
175	4.28	33.77	174	26.80	127.3	3.36	2.63	1469.
200	4.08	33.80	199	26.85	123.1	3.67	3.28	1469.
225	3.93	33.84	223	26.90	118.6	3.98	3.93	1469.
250	3.84	33.87	248	26.93	115.6	4.27	4.64	1469.
300	3.81	33.92	298	26.97	112.0	4.84	6.23	1469.
400	3.74	34.04	397	27.08	102.9	5.90	10.03	1471.
500	3.62	34.12	496	27.15	96.3	6.90	14.59	1472.
600	3.47	34.20	595	27.23	89.6	7.83	19.81	1473.
800	3.16	34.31	793	27.34	79.8	9.52	31.83	1475.
1000	2.86	34.40	990	27.44	71.2	11.03	45.68	1478.
1200	2.57	34.45	1188	27.51	65.0	12.40	60.97	1480.
1500	2.29	34.52	1483	27.59	58.7	14.25	86.37	1484.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 33 DATE 31/ 5/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.2

RESULTS OF STP CAST 98 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	7.52	32.72	O	25.58	241.7	0.0	0.0	1478.
10	7.30	32.71	10	25.60	239.9	0.24	0.01	1477.
20	6.44	32.72	20	25.72	228.4	0.47	0.05	1474.
30	6.30	32.73	30	25.75	226.1	0.70	0.11	1474.
50	5.94	32.74	50	25.80	221.3	1.15	0.29	1473.
75	5.14	32.75	75	25.91	211.5	1.69	0.63	1470.
100	5.02	32.86	99	26.00	202.7	2.20	1.09	1470.
125	4.63	33.28	124	26.38	167.0	2.68	1.64	1469.
150	4.59	33.73	149	26.74	133.2	3.04	2.14	1470.
175	4.31	33.79	174	26.82	125.9	3.36	2.68	1469.
200	4.14	33.80	199	26.85	123.3	3.68	3.27	1469.
225	3.99	33.82	223	26.87	120.7	3.98	3.93	1469.
250	3.92	33.86	248	26.91	117.2	4.28	4.65	1469.
300	3.84	33.91	298	26.96	113.1	4.85	6.26	1470.



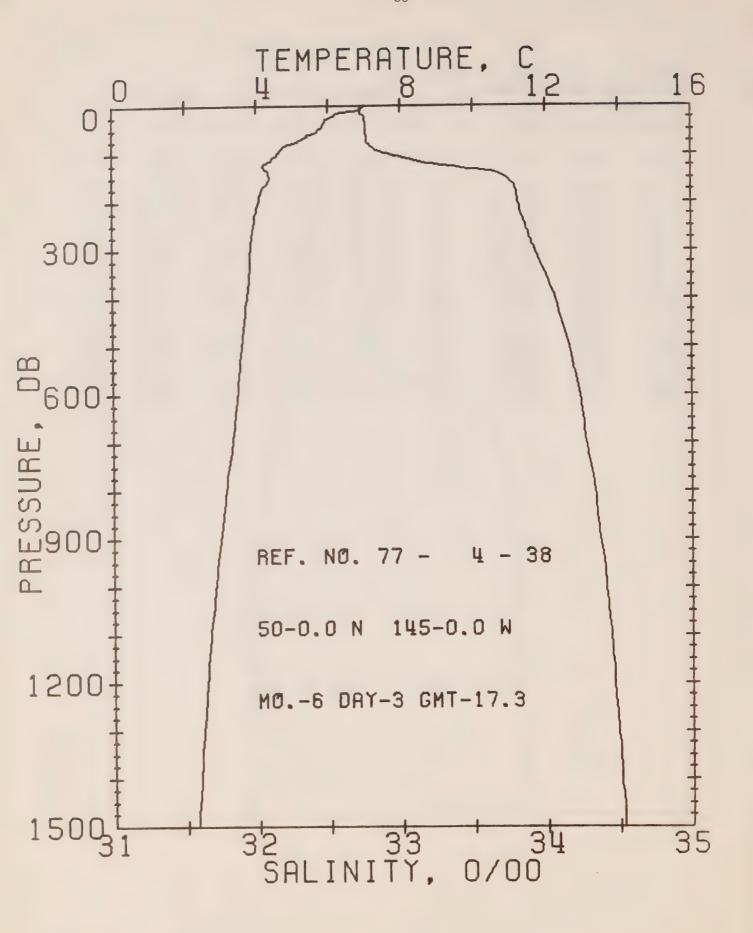
DEFSHORE DICEANOGRAPHY GROUP

REFERENCE NG. 77- 4- 35

POSITION 50- 0.0N. 145- 0.0W GMT 17.3

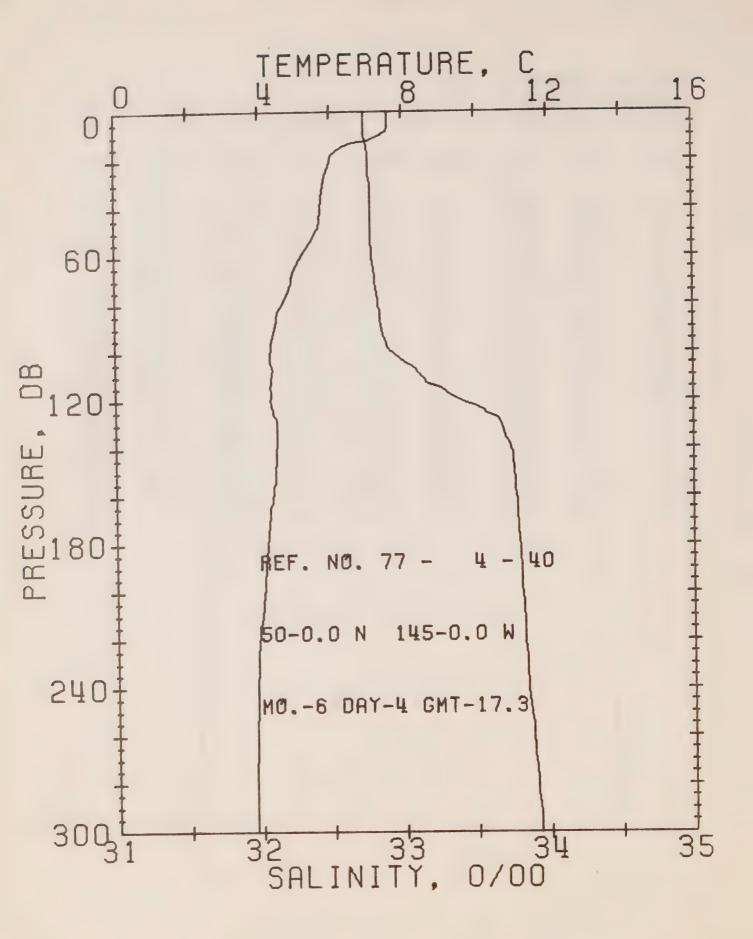
RESULTS OF STP CAST 101 POINTS TAKEN FROM ANALOG TRACE

PRESS TEMP SAL DEPTH SIGMA SVA DE LTA POT . SOUND T D EN 7.16 32.72 25.63 0 0 237.0 0.0 0.0 1477. 10 7.04 32.72 10 25.64 235.8 0.24 0.01 1476. 20 6.41 32.72 20 25.73 227.7 0.47 0.05 1474. 30 6.17 32.76 30 25.79 222.3 0.69 0.10 1473. 50 5.86 32.76 50 25.83 218.8 1.13 0.28 1472. 5.50 75 32.78 75 25.88 213.5 1.68 0.63 1471. 4.63 32.85 99 26.04 198.9 100 2.19 1.09 1468. 125 4.56 33.43 124 26.49 156.1 2.65 1.61 1470. 4.48 33.75 130.4 3.00 150 149 26.77 2.09 1470. 175 4.23 33.80 174 26.84 124.1 3.31 2.62 1469. 4.01 33.83 199 26.88 119.7 3.62 3.20 200 1469. 3.89 33.85 223 26.91 117.5 3.91 3.84 225 1469. 250 3.86 33.87 248 26.93 115.5 4.20 4.54 1469. 3.82 33.92 26.97 112.1 4.77 300 298 6.14 147C.



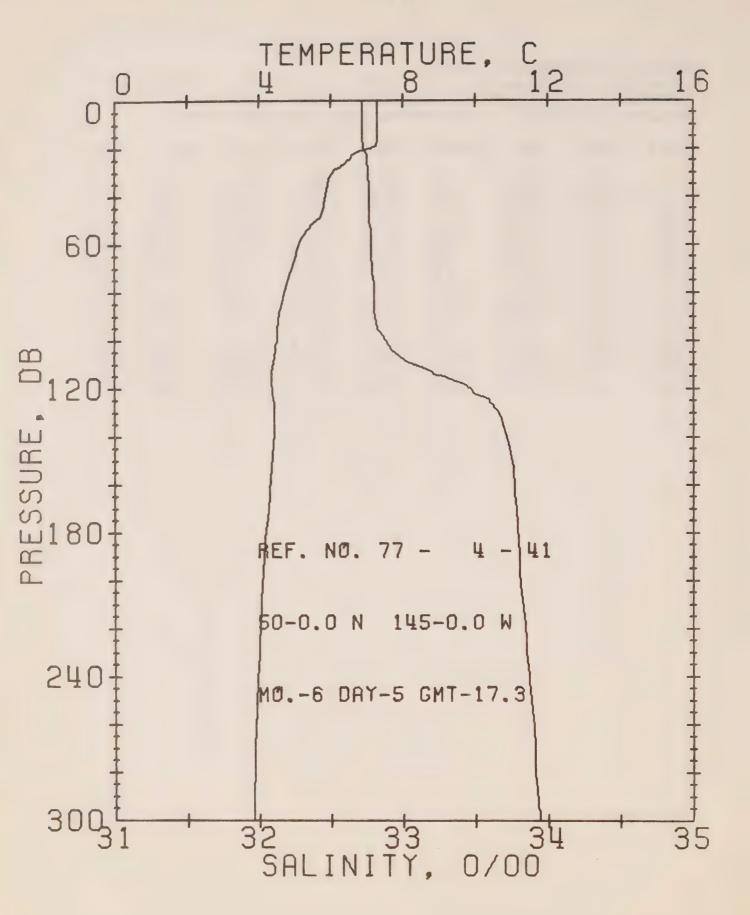
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 38 DATE 3/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 177 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
				T		D	EN	
0	7.00	32.73	0	25.66	234.2	0.0	0.0	1476.
10	6.90	32.72	10	25.66	234.0	0.23	0.01	1476.
20	6.17	32.74	20	25.77	223.5	0.45	0.05	1473.
30	5.92	32.75	30	25.81	220.1	0.68	0.10	1472.
50	5.76	32.76	50	25.84	217.7	1.12	0.28	1472.
75	5.14	32.77	75	25.92	210.3	1.66	0.62	1470.
100	4.59	32.92	99	26.10	193.7	2.16	1.07	1468.
125	4.18	33.32	124	26.46	159.0	2.61	1.59	1467.
150	4.36	33.73	149	26.77	130.4	2.96	2.08	1469.
175	4.14	33.79	174	26.84	123.8	3.28	2.60	1469.
200	4.05	33.81	199	26.86	121.9	3.59	3.19	1469.
225	3.96	33.83	223	26.89	119.6	3.89	3.84	1469.
250	3.93	33.86	248	26.91	117.3	4.19	4.56	1469.
300	3.83	33.93	298	26.98	111.4	4.76	6.16	1470.
400	3.73	34.06	397	27.09	101.3	5.82	9.96	1471.
500	3.56	34.16	496	27.19	93.1	6.80	14.41	1472.
600	3.45	34.23	595	27.25	87.4	7.70	19.46	1473.
800	3.12	34.34	793	27.37	77.4	9.35	31.23	1475.
1000	2.81	34.41	990	27.46	69.9	10.83	44.72	1477.
1200	2.56	34.46	1188	27.52	64.6	12.17	59.71	1480.
1500	2.28	34.53	1483	27.60	57.8	13.99	84.74	1484.



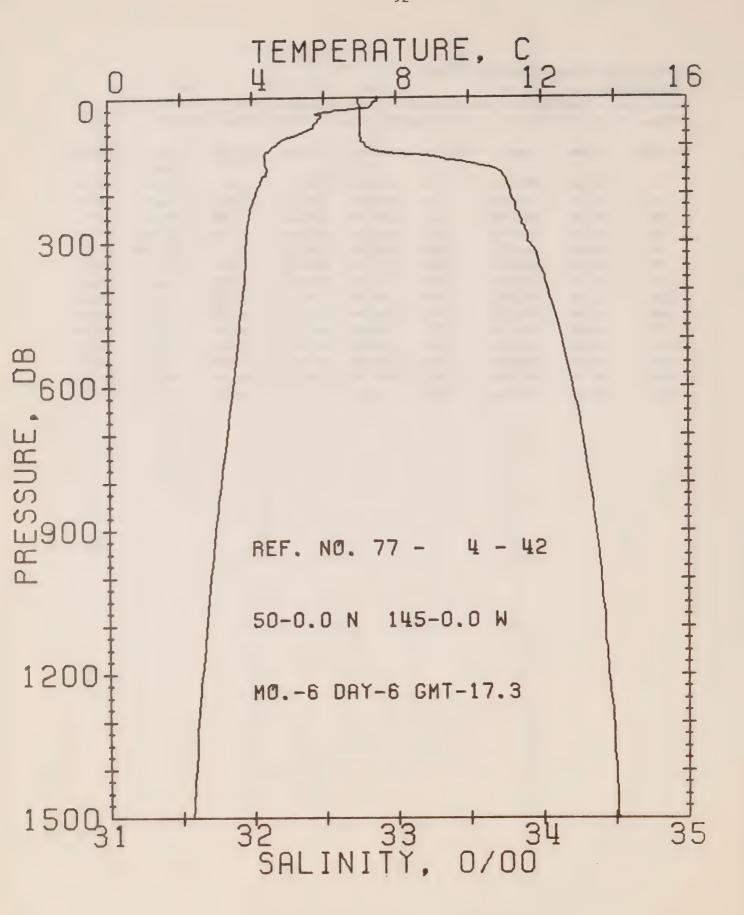
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 40 DATE 4/ 6/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.3
RESULTS OF STP CAST 101 POINTS TAKEN FROM ANALCG TRACE

F	PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
					T		D	EN	
	0	7.62	32.74	0	25.58	241.5	0.0	0.0	1479.
	10	7.38	32.74	10	25.61	238.7	0.24	0.01	1478.
	20	5.99	32.77	20	25.82	219.3	C.47	0.05	1472.
	30	5.80	32.78	30	25.85	216.4	0.69	0.10	1472.
	50	5.58	32.78	50	25.88	214.2	1.12	0.23	1471.
	75	4.80	32.82	75	25.99	203.0	1.64	0.61	1468.
	100	4.30	32.92	99	26.13	190.2	2.13	1.05	1467.
	125	4.37	33.57	124	26.64	142.5	2.55	1.53	1469.
	150	4.44	33.76	149	26.78	129.0	2.89	2.00	1469.
	175	4.21	33.79	174	26.83	124.7	3.20	2.52	1469.
	200	4.09	33.81	199	26.86	122.0	3.51	3.11	1469.
	225	3.90	33.84	223	26.90	118.5	3.81	3.76	1469.
	250	3.86	33.87	248	26.93	116.1	4.10	4.47	1469.
	300	3.82	33.93	298	26.98	111.3	4.67	6.06	1470.



GFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 41 DATE 5/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 94 POINTS TAKEN FROM ANALOG TRACE

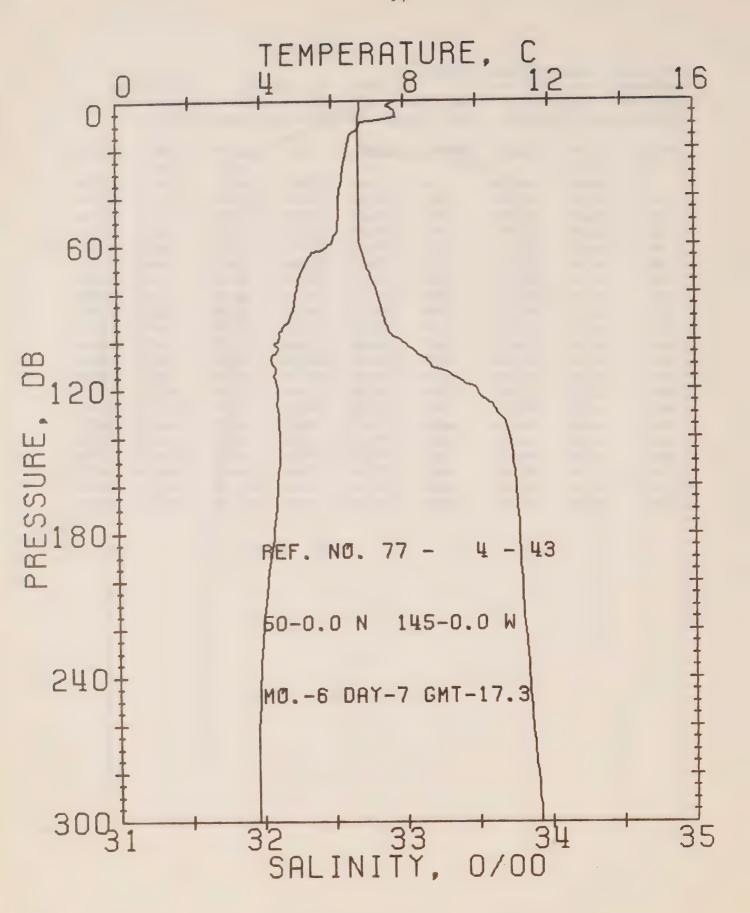
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	7.32	32.72	0	25.61	239.1	0.0	0.0	1477.
10	7.31	32.72	10	25.61	239.3	0.24	0.01	1477.
20	7.10	32.73	20	25.64	236.0	0.48	0.05	1477.
30	6.05	32.76	30	25.80	220.9	0.70	0.11	1473.
50	5.61	32.77	50	25.86	215.3	1.14	0.28	1471.
75	4.79	32.80	75	25.98	204.5	1.66	0.62	1468.
100	4.50	32.88	99	26.08	195.4	2.17	1.06	1468.
125	4.41	33.60	124	26.66	140.7	2.59	1.55	1469.
150	4.36	33.75	149	26.78	129.1	2.93	2.02	1469.
175	4.22	33.79	174	26.82	125.2	3.24	2.54	1469.
200	4.08	33.81	199	26.85	122.5	3.55	3.14	1469.
225	4.00	33.85	223	26.90	118.7	3.86	3.79	1469.
250	3.92	33.88	248	26.93	115.8	4.15	4.50	1469.
300	3.83	33.94	298	26.99	110.7	4.71	6.08	1470.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 42 DATE 6/ 6/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.3

RESULTS OF STP CAST 175 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	7.48	32.74	O	25.60	239.7	0.0	0.0	1478.
10	7.42	32.74	10	25.61	239.3	0.24	0.01	1478.
20	7.28	32.75	20	25.63	236.8	0.48	0.05	1478.
30	6.19	32.75	30	25.78	223.3	0.71	0.11	1473.
50	5.81	32.75	50	25.82	219.0	1.15	0.29	1472.
75	5 • 34	32.75	75	25.88	213.9	1.69	0.63	1471.
100	4.65	32.79	99	25.99	203.8	2.21	1.10	1468.
125	4.35	33.31	124	26.43	161.8	2.68	1.63	1468.
150	4.43	33.70	149	26.73	133.6	3.05	2.15	1469.
175	4.25	33.76	174	26.80	127.5	3.38	2.69	1469.
200	4.10	33.79	199	26.84	123.9	3.69	3.29	1469.
225	3.97	33.82	223	26.88	120.6	3.99	3.95	1469.
250	3.91	33.86	248	26.91	117.5	4.29	4.67	1469.
300	3.83	33.91	298	26.96	113.0	4.87	6.27	147C.
400	3.75	34.04	397	27.08	102.9	5 • 94	10.09	1471.
500	3.60	34.14	496	27.16	95.3	6.93	14.63	1472.
600	3.44	34.21	595	27.24	88.8	7.85	19.79	1473.
800	3.09	34.33	793	27.37	77.7	9.51	31.60	1475.
1000	2.80	34.40	990	27.45	70.4	10.99	45.09	1477.
1200	2.55	34.45	1188	27.51	65.2	12.34	60.25	1480.
1500	2.27	34.52	1483	27.59	58.4	14.18	85.54	1483.



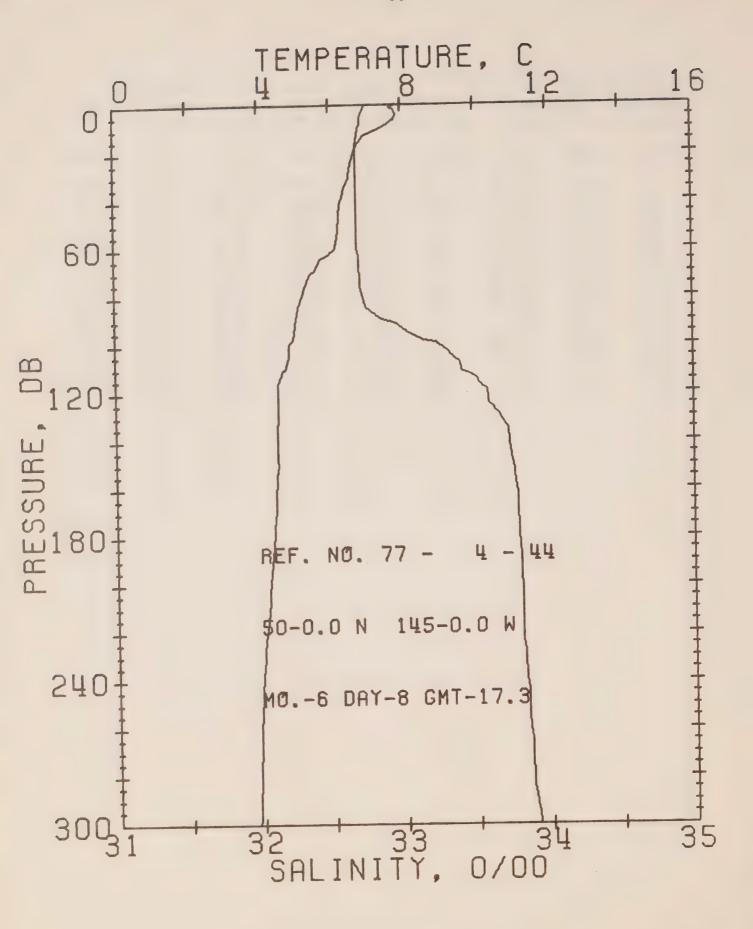
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 43 DATE 7/ 6/77 STATION P

POSITION 50- 0.0N, 145- 0.0W GMT 17.3

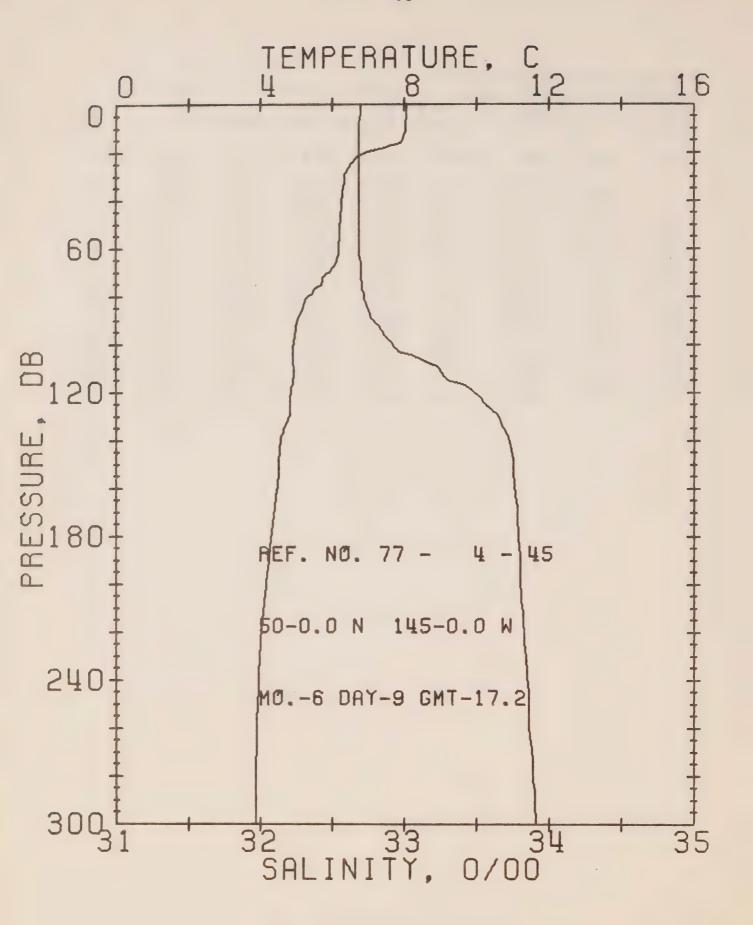
RESULTS OF STP CAST 101 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	7.82	32.70	0	25.52	247.3	0 • C	0.0	1479.
10	6.78	32.69	10	25.66	234.7	0.24	0.01	1475.
20	6.43	32.69	20	25.70	230.6	0.48	0.05	1474.
30	6.30	32.69	.30	25.72	229.1	0.71	0.11	1474.
50	6.17	32.69	50	25.73	227.8	1.16	0.29	1474.
75	5.04	32.78	75	25.94	208.6	1.71	0.64	1469.
100	4.48	32.98	99	26.16	187.8	2.21	1.09	1468.
125	4.45	33.57	124	26.63	143.1	2.63	1.56	1469.
150	4.51	33.74	149	26.76	131.5	2.96	2.03	1470.
175	4.35	33.78	174	26.80	127.0	3.28	2.56	147C.
200	4.13	33.80	199	26.84	123.5	3.60	3.16	1469.
225	3.97	33.83	223	26.88	119.7	3.90	3.82	1469.
250	3.89	33.86	248	26.91	117.2	4.20	4.54	1469.
300	3.84	33.92	298	26.97	112.3	4.77	6.14	147C.



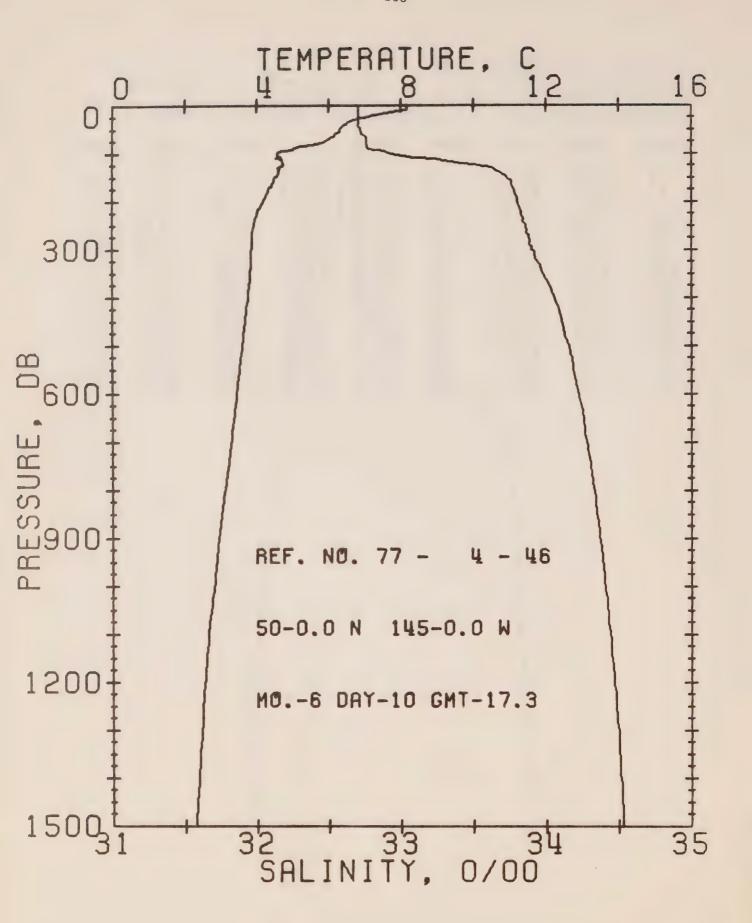
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 44 DATE 8/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 101 POINTS TAKEN FROM ANALCG TRACE

DELTA POT . SOUND SVA SIGMA TEMP SAL DEPTH PRESS O EN T 244.2 0.0 0.0 1479. 25.55 7.87 32.75 0 0 0.24 0.01 1478. 241.5 10 25.58 10 7.42 32.71 0.05 1475. 233.8 C.48 32.69 20 25.67 6.69 20 0.11 1475. 32.69 30 25.69 232.2 0.71 6.55 30 0.30 1474. 32.69 25.72 228.7 1.17 6.25 50 50 216.6 1.73 0.65 1470. 25.85 75 5.31 32.71 75 1.10 1470. 171.2 2.24 99 26.33 33.25 100 4.84 1.54 1469. 2.62 141.4 124 26.65 4.50 33.60 125 1470. 2.95 2.00 130.6 4.50 33.75 149 26.77 150 1470. 3.28 2.53 174 26.81 126.7 33.79 4.39 175 3.13 1470. 26.84 124.1 3.59 199 33.81 4.24 200 3.90 3.80 1469. 26.86 122.0 33.81 223 225 4. C8 26.89 119.2 4.20 4.53 1469. 33.84 248 3.96 250 6.10 1470. 113.2 4.78 26.96 3.85 33.91 298 300



OFFSHORE OCEANGGRAPHY GROUP REFERENCE NO. 77- 4- 45 DATE 9/ 6/77 STATION P POSITION 50- 0.0N, 145- 0.0W GMT 17.2
RESULTS OF STP CAST 112 POINTS TAKEN FROM ANALGS TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	8.07	32.70	0	25.48	250.7	0 • C	0.0	1480.
10	8.06	32.69	10	25.48	251.7	0.25	0.01	1480.
20	6.91	32.69	20	25.64	236.5	0.50	0.05	1476.
30	6.35	32.69	30	25.71	229.7	0.73	0.11	1474.
50	6.23	32.69	50	25.73	228.5	1.19	0.30	1474.
75	5.70	32.71	75	25.81	221.1	1.76	0.66	1472.
100	4.93	32.92	99	26.06	197.0	2.28	1.12	1470.
125	4.83	33.57	124	26.58	147.6	2.70	1.61	147C.
150	4.51	33.75	149	26.76	130.7	3.05	2.08	1470.
175	4.33	33.78	174	26.81	126.6	3.37	2.62	1469.
200	4.16	33.80	199	26.84	123.8	3.68	3.21	1469.
225	4.00	33.83	223	26.88	120.0	3.98	3.87	1469.
250	3.91	33.86	248	26.91	117.1	4.28	4.59	1469.
300	3.86	33.91	298	26.96	113.2	4 . 86	6.20	1470.

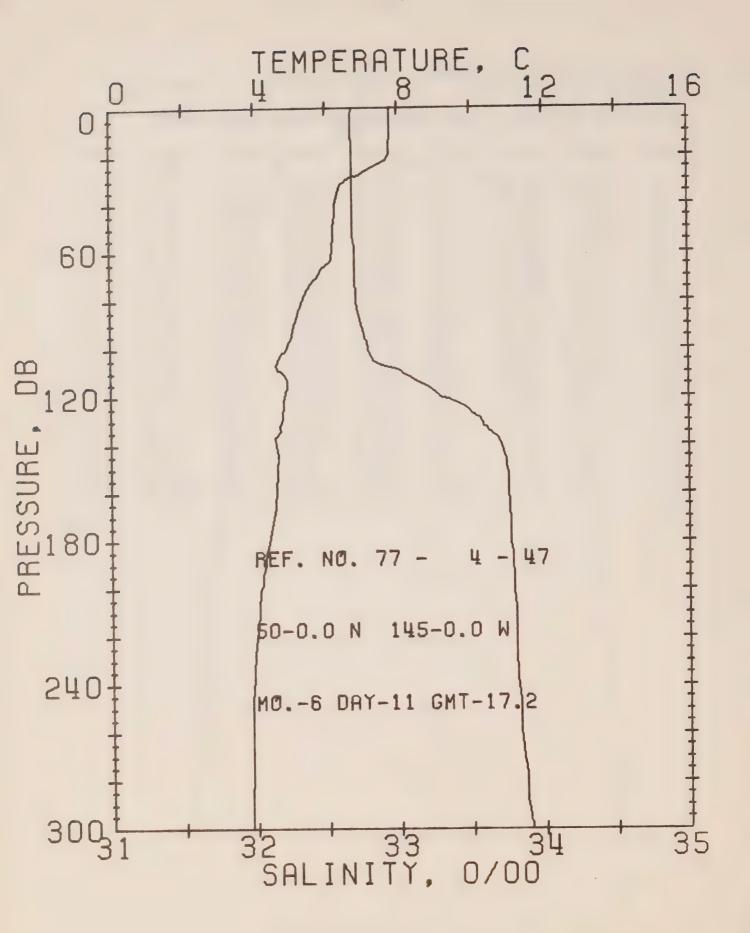


DEFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 46 DATE 10/ 6/77 STATION P POSITION 50- 0.0N. 145- 0.0W GMT 17.3

RESULTS OF STP CAST 205 POINTS TAKEN FROM ANALOG TRACE

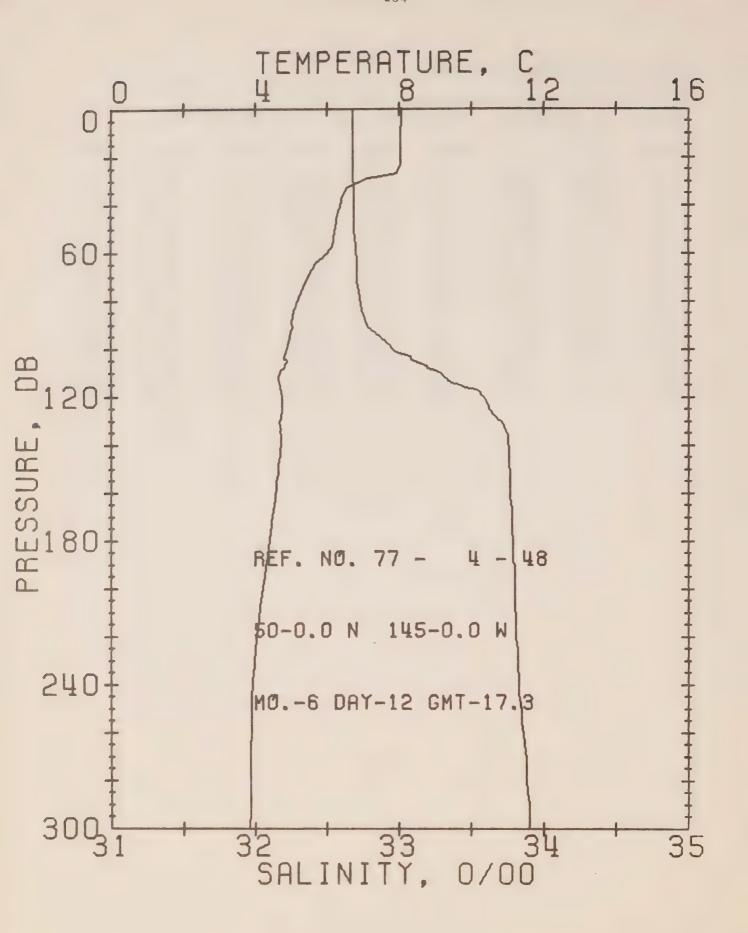
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	8.18	32.71	0	25.48	251.5	0.0	0.0	1481.
10	8.17	32.71	10	25.48	251.7	0.25	0.01	1431.
20	7.28	32.71	20	25.60	239.9	0.50	0.05	1477.
30	6.73	32.71	30	25.68	232.9	0.73	0.11	1475.
50	6.32	32.72	50	25.74	227.3	1.19	0.30	1474.
75	5.89	32.76	75	25.82	219.5	1.75	0.65	1473.
100	4.57	32.94	99	26.12	191.8	2.27	1.12	1468.
125	4.73	33.56	124	26.59	147.0	2.70	1.60	147C.
150	4.50	33.73	149	26.75	131.9	3.04	2.03	1470.
175	4.33	33.78	174	26.81	126.9	3.37	2.62	1469.
200	4.16	33.80	199	26.84	123.8	3.68	3.22	1469.
225	4.00	33.83	223	26.88	120.1	3.98	3.88	1469.
250	3.91	33.86	248	26.91	117.1	4.28	4.60	1469.
300	3.85	33.90	298	26.95	113.9	4.86	6.21	1470.
400	3.75	34.05	397	27.08	102.1	5.94	10.05	1471.
500	3.59	34.16	496	27.18	93.6	6.91	14.52	1472.
600	3.45	34.23	595	27.25	87.6	7.82	19.60	1473.
800	3.11	34.33	793	27.37	77.8	9.47	31.33	1475.
1000	2.80	34.41	990	27.45	70.0	10.94	44.81	1477.
1200	2.53	34.47	1188	27.53	63.5	12.27	59.71	1480.
1500	2.29	34.53	1483	27.60	58.0	14.08	84.61	1484.



OFFSHORE OCEANOGRAPHY GROUP

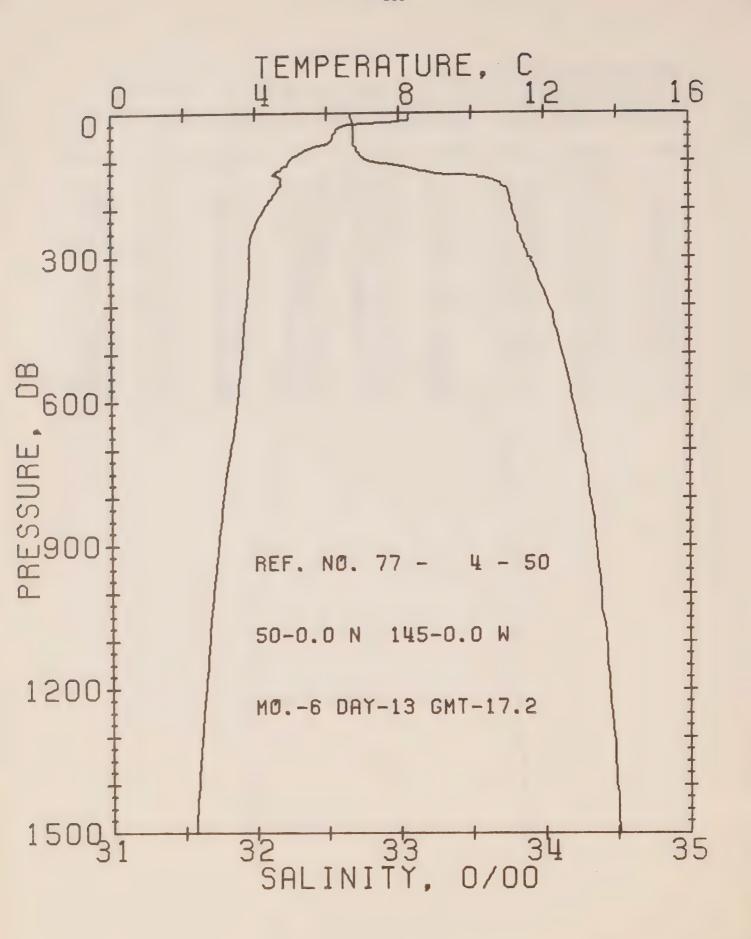
REFERENCE NO. 77- 4- 47 DATE 11/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.2
RESULTS OF STP CAST 106 POINTS TAKEN FROM ANALOG TRACE

PRE	SS	TEMP	SAL	DEPTH	SIGMA	SVA	DLLTA	POT.	SJUND
					T		D	FN	
	0	7.80	32.69	0	25.51	247.7	0 • C	0.0	1479.
1	0	7.80	32.68	10	25.51	248.8	0.25	0.01	1479.
2	20	7.74	32.69	20	25.52	247.5	C.50	0.05	1479.
3	30	6.58	32.69	30	25.68	232.4	0.74	0.11	1475.
5	50	6.22	32.69	50	25.73	228.3	1.20	0.30	1474.
7	5	5.48	32.70	75	25.83	219.0	1.76	0.66	1471.
10	00	4.88	32.79	99	25.96	206.4	2.29	1.13	1469.
12	25	4.79	33.48	124	26.52	153.9	2.75	1.65	1470.
15	50	4.62	33.74	149	26.75	132.3	3.10	2.14	1470.
17	75	4.43	33.77	174	26.79	128.6	3.42	2.68	147C.
20		4.13	33.79	199	26.84	124.2	3.74	3.28	1469.
22	25	3.97	33.80	223	26.86	122.0	4 • 05	3.95	1469.
25	50	3.88	33.83	248	26.89	119.1	4.35	4.68	1469.
30		3.84	33.90	298	26.95	113.8	4.93	6.32	147C.



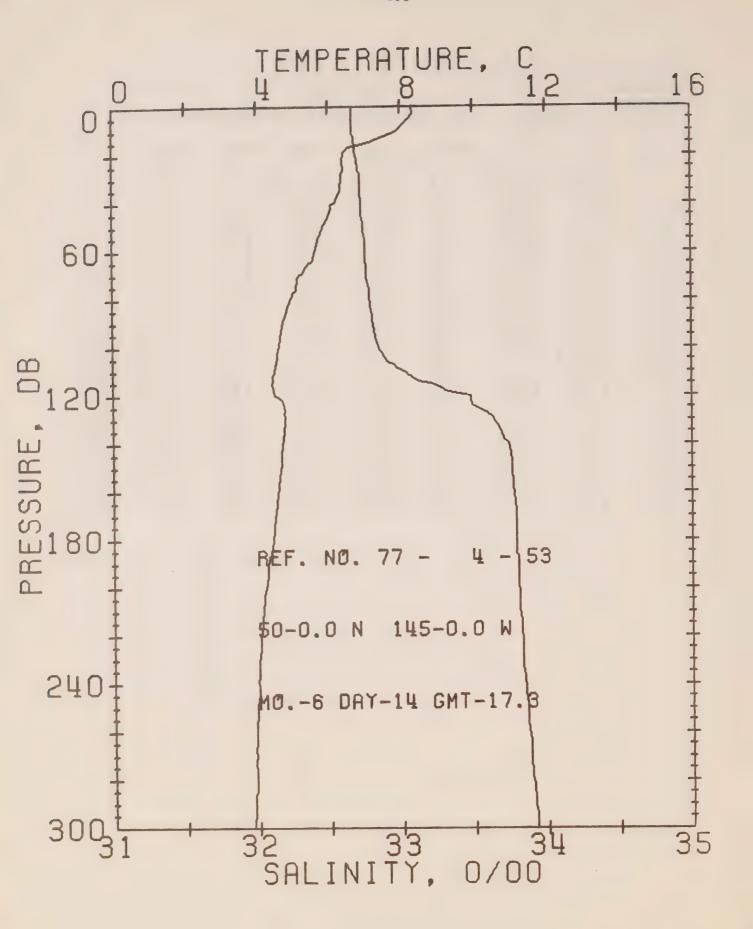
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 48 DATE 12/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 105 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PCT.	SOUND
				T		D	EN	
0	8.07	32.68	0	25.47	252.2	0.0	0.0	1480.
10	8.06	32.68	10	25.47	252.4	0.25	0.01	1480.
20	8.05	32.68	20	25.47	252.4	0.50	0.05	1490.
30	6.98	32.68	30	25.62	238.2	0.75	0.11	1476.
50	6.22	32.69	50	25.73	228.4	1.22	0.30	1474.
75	5.31	32.72	75	25.36	216.1	1.77	0.66	1470.
100	4.88	32.95	99	26.09	193.8	2.29	1.12	1469.
125	4.75	33.63	124	26.64	142.1	2.70	1.59	1470.
150	4.64	33.76	149	26.76	131.0	3.04	2.05	1470.
175	4.44	33.78	174	26.80	128.0	3.36	2.59	1470.
500	4.21	33.80	199	26.84	124.2	3.67	3.19	1469.
225	4.01	33.82	223	26.87	120.9	3.98	3.86	1469.
250	3.90	33.84	248	26.90	118.2	4.28	4.58	1469.
300	3.85	33.90	298	26.95	113.9	4 • 86	6.20	1470.



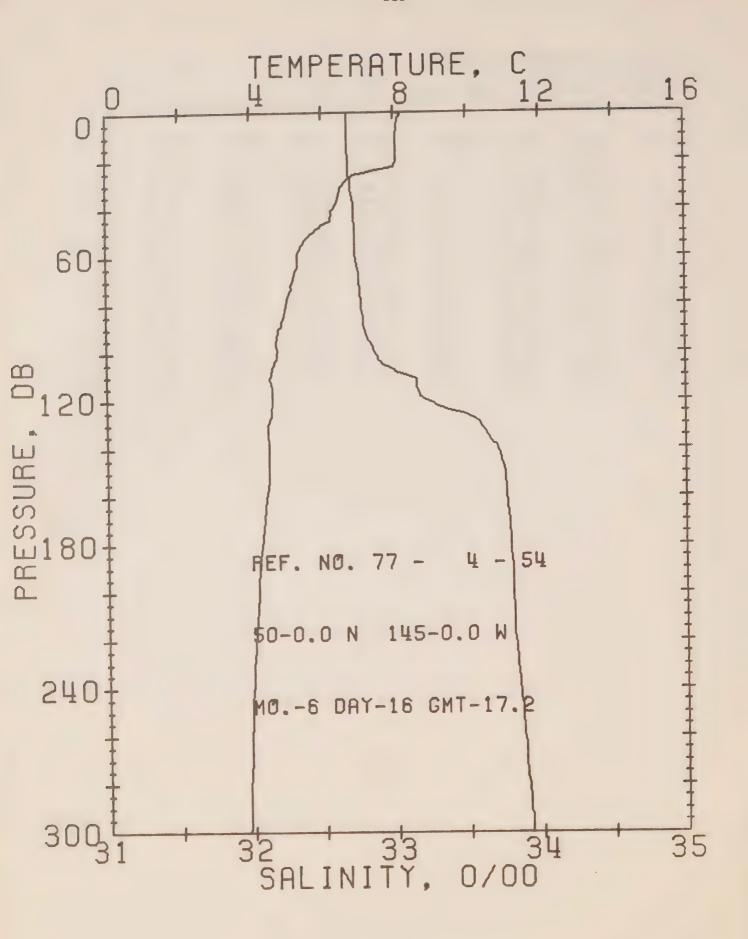
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 50 DATE 13/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.2
RESULTS OF STP CAST 194 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PUT.	SOUND
				T		D	EN	
0	7.81	32.67	0	25.50	249.3	0.0	0.0	1479.
10	8.28	32.67	10	25.43	256.3	0.26	0.01	1481.
20	7.61	32.68	20	25.53	246.4	0.51	0.05	1479.
30	6.38	32.69	30	25.71	230.1	0.75	0.11	1474.
50	6.17	32.69	50	25.73	227.8	1.20	0.30	1474.
75	5.51	32.71	75	25.83	218.9	1.76	0.66	1471.
100	4.95	32.80	99	25.96	206.2	2.30	1.13	1470.
1 25	4.58	33.24	124	26.36	169.1	2.77	1.66	1469.
150	4.73	33.71	149	26.71	136.3	3.13	2.17	1471.
175	4.47	33.76	174	26.78	129.5	3.46	2.72	147C.
200	4.23	33.78	199	26.82	126.0	3.78	3.33	1469.
225	4.03	33.81	223	26.86	121.9	4.09	4.00	1469.
250	3.91	33.83	248	26.89	119.6	4.39	4.73	1469.
300	3.82	33.89	298	26.95	114.4	4.97	6.36	1469.
400	3.75	34.03	397	27.07	103.6	6.06	10.23	1471.
500	3.62	34.12	496	27.15	96.6	7.06	14.80	1472.
600	3.48	34.20	595	27.22	90.3	7.99	20.02	1473.
800	3.09	34.31	793	27.35	78.9	9.67	31.98	1475.
1000	2.81	34.39	990	27.44	71.4	11.17	45.69	1477.
1200	2.57	34.44	1188	27.50	65.9	12.54	61.01	1480.
1500	2.28	34.51	1483	27.58	59.2	14.40	86.59	1484.



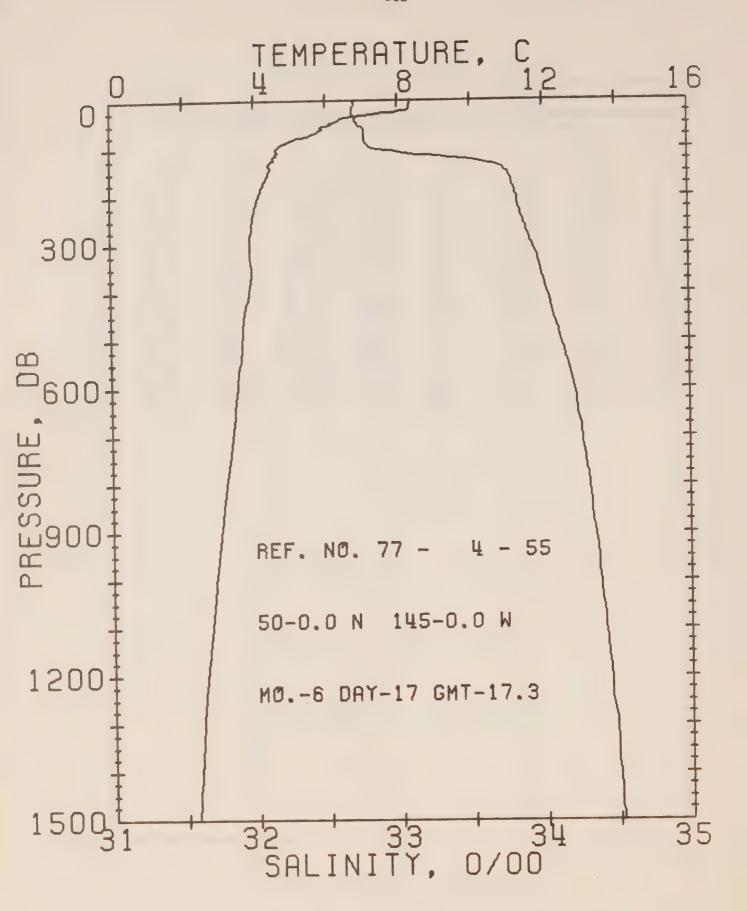
OFFSHORE JCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 53 DATE 14/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 124 POINTS TAKEN FROM ANALOG TRACE

F	PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
					T		D	EN	
	0	8.34	32.67	0	25.42	256.7	0.0	0.0	1481.
	10	7.91	32.67	10	25.48	251 • 1	0.26	0.01	1480.
	20	6.43	32.69	20	25.70	230.3	0.49	0.05	1474.
	30	6.36	32.72	30	25.73	227.5	0.72	0.11	1474.
	50	5.84	32.74	50	25.81	220.1	1.17	0.29	1472.
	75	5.10	32.78	75	25.93	209.4	1.71	0.63	1470.
	100	4.59	32.84	99	26.04	199.1	2.22	1.09	1468.
	125	4.77	33.52	124	26.56	150.1	2.66	1.59	147C.
	150	4.65	33.76	149	26.76	131.5	3.00	2.07	1470.
	175	4.45	33.79	174	26.80	127.3	3.33	2.60	1470.
	200	4.20	33.80	199	26.84	123.9	3.64	3.20	1469.
	225	4.04	33.83	223	26.88	120.5	3.95	3.87	1469.
	250	3.95	33.86	248	26.91	117.5	4.25	4.59	1469.
	300	3 • 85	33.92	298	26.97	112.4	4.82	6.20	1470.



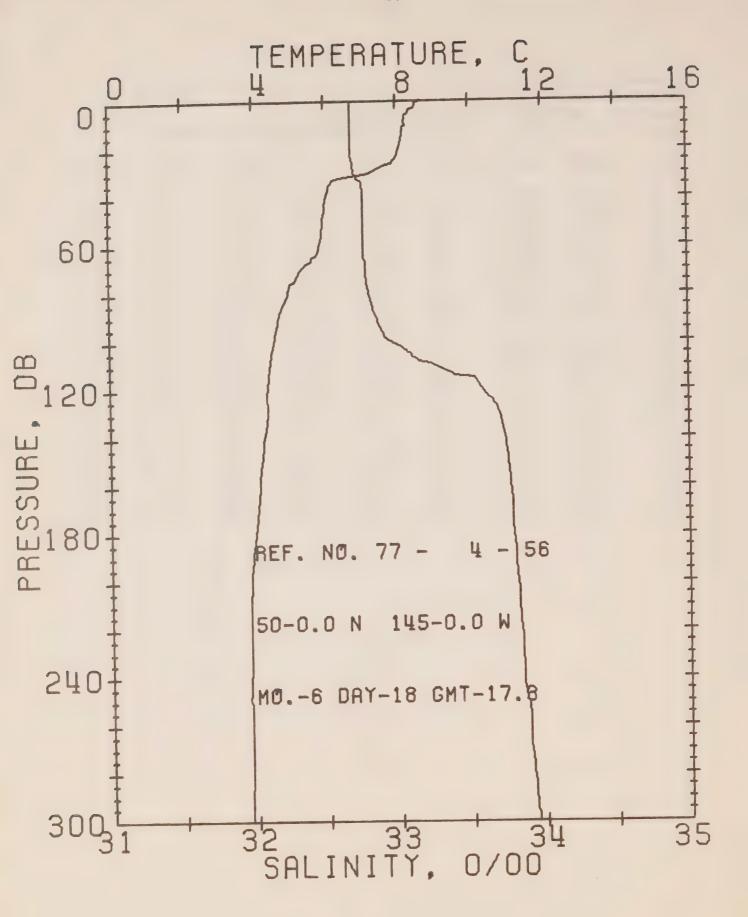
DEFSHORE OCEANCGRAPHY GROUP
REFERENCE NO. 77- 4- 54 DATE 16/6/77 STATION P
POSITION 50- 0.0N. 145- 0.0W GMT 17.2
RESULTS OF STP CAST 130 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				Т		D	EN	
0	8.00	32.68	0	25.48	251.2	0 • C	0.0	1480.
10	8.09	32.68	10	25.47	252.8	0.25	0.01	1480.
20	8.07	32.69	20	25.48	252.0	0.51	0.05	1481.
30	6.59	32.70	30	25.69	231.9	0.75	0.11	1475.
50	5.74	32.73	50	25.82	219.7	1.20	0.30	1472.
75	5.08	32.76	75	25.92	210.4	1.74	0.64	1470.
100	4.71	32.86	99	26.04	199.1	2.25	1.10	1469.
125	4.56	33.46	124	26.53	152.8	2.70	1.61	1469.
150	4.48	33.75	149	26.77	130.4	3.04	2.09	1470.
175	4.30	33.78	174	26.81	126.1	3.36	2.62	1469.
200	4.16	33.80	199	26.84	123.8	3.68	3.22	1469.
225	4.03	33.82	223	26.87	120.8	3.98	3.88	1469.
250	3.95	33.86	248	26.91	117.5	4.28	4.60	1469.
300	3.85	33.92	298	26.97	112.4	4.85	6.21	147C.



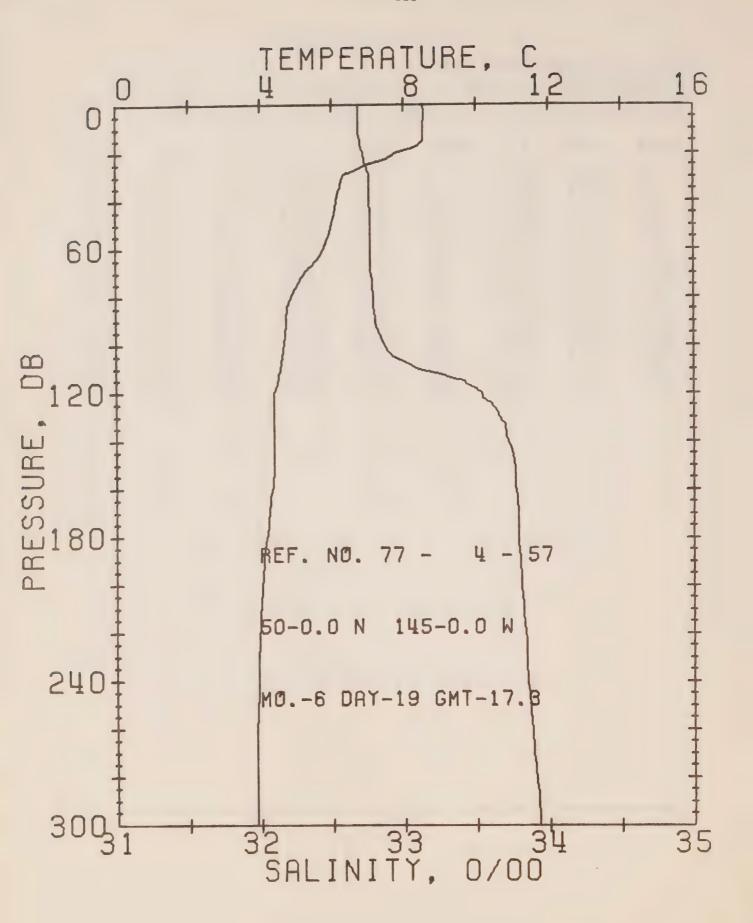
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 55 DATE 17/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 204 POINTS TAKEN FROM ANALOG TRACE

1	PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
					T		D	EN	
	0	8.37	32.70	0	25.44	254.9	0.0	0.0	1481.
	10	8.35	32.70	10	25.44	255.1	0.26	0.01	1481.
	20	8.32	32.69	20	25.44	255.5	0.51	0.05	1481.
	30	7.32	32.69	30	25.58	242.0	0.76	0.12	1478.
	50	6.10	32.72	50	25.77	224.7	1.22	0.30	1473.
	75	5.51	32.77	75	25.88	214.3	1.77	0.65	1471.
	100	4.64	32.83	99	26.02	200.6	2.29	1.11	1468.
	125	4.55	33.53	124	26.59	147.1	2.73	1.62	1469.
	150	4.41	33.75	149	26.78	129.3	3.07	2.09	1469.
	175	4.24	33.78	174	26.82	125.6	3.39	2.62	1469.
	200	4.12	33.82	199	26.86	121.9	3.70	3.21	1469.
	225	4.01	33.83	223	26.88	120.0	4.00	3.86	1469.
	250	3.94	33.86	248	26.91	117.4	4.30	4.58	1469.
	300	3.87	33.92	298	26.97	112.6	4.87	6.19	1470.
	400	3.85	34.02	397	27.05	105.5	5.96	10.07	1471.
	500	3.64	34.11	496	27.14	97.3	6.97	14.70	1472.
	600	3.48	34.21	595	27.23	89.6	7.90	19.92	1473.
	800	3.15	34.31	793	27.34	79.8	9.60	31.98	1475.
	1000	2.84	34.38	990	27.43	72.4	11.12	45.91	1477.
	1200	2.57	34.45	1188	27.51	65.7	12.50	61.39	1480.
	1500	2.30	34.52	1483	27.59	58.8	14.35	86.83	1484.



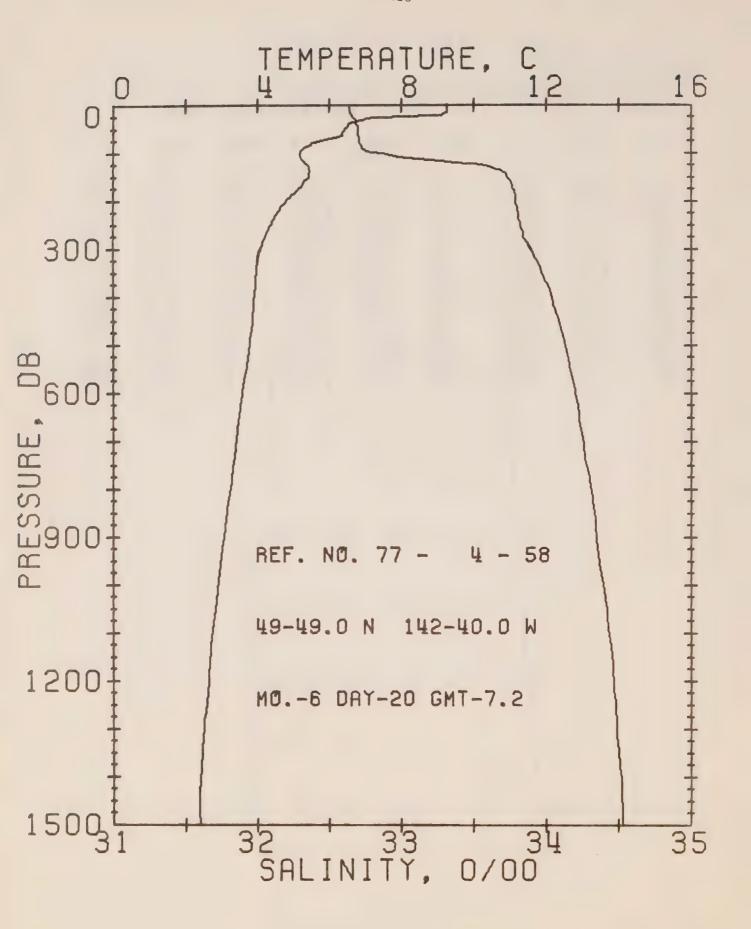
DEFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 4- 56 DATE 18/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 118 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	PGT.	SOUND
				Ŧ		D	EN	
0	3.69	32.69	0	25.38	260.2	0.0	0.0	1483.
10	8.29	32.69	10	25.44	254.9	0.26	0.01	1481.
20	8.09	32.69	20	25.47	252.2	0.51	0.05	1481.
30	7.26	32.71	30	25.61	239.6	0.76	0.11	1478.
50	5.95	32.77	50	25.82	219.2	1.20	0.30	1473.
75	5.11	32.79	75	25.94	208.5	1.74	0.64	147C.
100	4.56	32.96	99	26.13	190.0	2.24	1.09	1468.
125	4.35	33.66	124	26.71	135.6	2.64	1.54	1469.
150	4.20	33.75	149	26.80	127.5	2.97	2.00	1468.
175	4.04	33.78	174	26.84	123.9	3 • 28	2.51	1468.
200	3.87	33.81	199	26.88	119.7	3.59	3.10	1468.
225	3.83	33.84	223	26.91	117.6	3.88	3.74	1468.
250	3.82	33.87	248	26.93	115.1	4.17	4.44	1469.
300	3.82	33.94	298	26.99	110.6	4.74	6.03	1470.



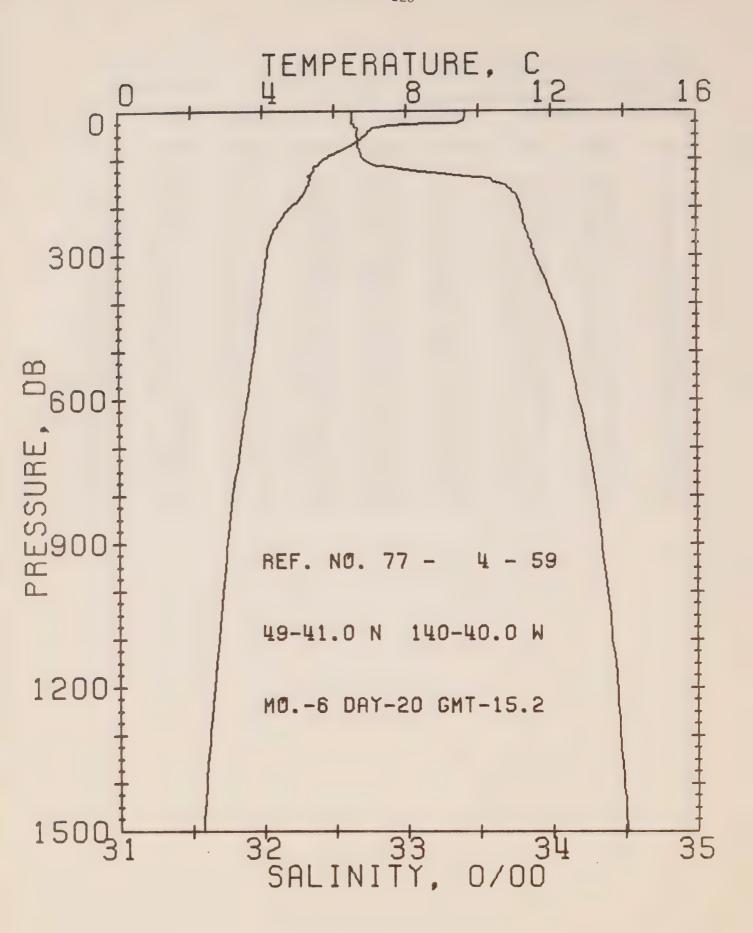
OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 57 DATE 19/ 6/77 STATION P
POSITION 50- 0.0N, 145- 0.0W GMT 17.3
RESULTS OF STP CAST 107 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	8.57	32.69	0	25.40	258.5	0.0	0.0	1482.
10	8.56	32.69	10	25.40	258.8	0.26	0.01	1482.
20	7.77	32.72	20	25.54	245.6	0.51	0.05	1479.
30	6.30	32.76	30	25.77	223.9	0.75	0.11	1474.
50	5.99	32.77	50	25.82	219.7	1.19	0.29	1473.
75	5.02	32.78	75	25.94	208.2	1.73	0.63	1469.
100	4.65	32.86	99	26.05	198.2	2.24	1.09	1468.
125	4.36	33.61	124	26.67	139.1	2.66	1.57	1469.
150	4.36	33.76	149	26.79	128.1	2.99	2.03	1469.
175	4.21	33.79	174	26.83	124.8	3.31	2.55	1469.
200	4.02	33.81	199	26.86	121.6	3.62	3.14	1469.
225	3.95	33.84	223	26.89	118.8	3.92	3.79	1469.
250	3.90	33.87	248	26.92	116.5	4.21	4.51	1469.
300	3.86	33.93	298	26.97	111.8	4.78	6.10	1470.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 58 DATE 20/ 6/77 STATION 12
POSITION 49-49.0N, 142-40.0W GMT 7.2
RESULTS OF STP CAST 173 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	9.29	32.64	0	25.25	272.8	0 • C	0.0	1485.
10	9.29	32.64	10	25.25	273.2	0.27	0.01	1485.
20	9.15	32.65	20	25.28	270.3	0.55	0.06	1485.
30	6.98	32.68	30	25.62	238.3	0.80	0.12	1476.
50	6.44	32.70	50	25.71	230.3	1.26	0.31	1475.
75	5.72	32.71	75	25.80	221.3	1.83	0.67	1472.
100	5.18	32.83	99	25.97	206.1	2.37	1.15	1470.
125	5.39	33.56	124	26.51	154.6	2.83	1.68	1473.
150	5.45	33.73	149	26.64	142.7	3.20	2.19	1474.
175	5.14	33.77	174	26.71	136.1	3.55	2.76	1473.
200	4.79	33.79	199	26.76	131.3	3.88	3.40	1472.
225	4.55	33.81	223	26.80	127.6	4.20	4.10	1471.
250	4.36	33.82	248	26.84	124.8	4.52	4.86	1471.
300	4.07	33.87	298	26.91	118.4	5.13	6.57	1471.
400	3.91	34.04	397	27.06	104.9	6.23	10.49	1472.
500	3.78	34.13	496	27.14	97.4	7.24	15.13	1473.
600	3.56	34.20	595	27.22	90.8	8.18	20.40	1474.
800	3.23	34.31	793	27.34	80.5	9.90	32.61	1476.
1000	2.90	34.40	990	27.44	72.0	11.43	46.59	1478.
1200	2.63	34.47	1188	27.52	64.7	12.78	61.79	1480.
1500	2.39	34.53	1484	27.59	59.0	14.62	87.01	1484.



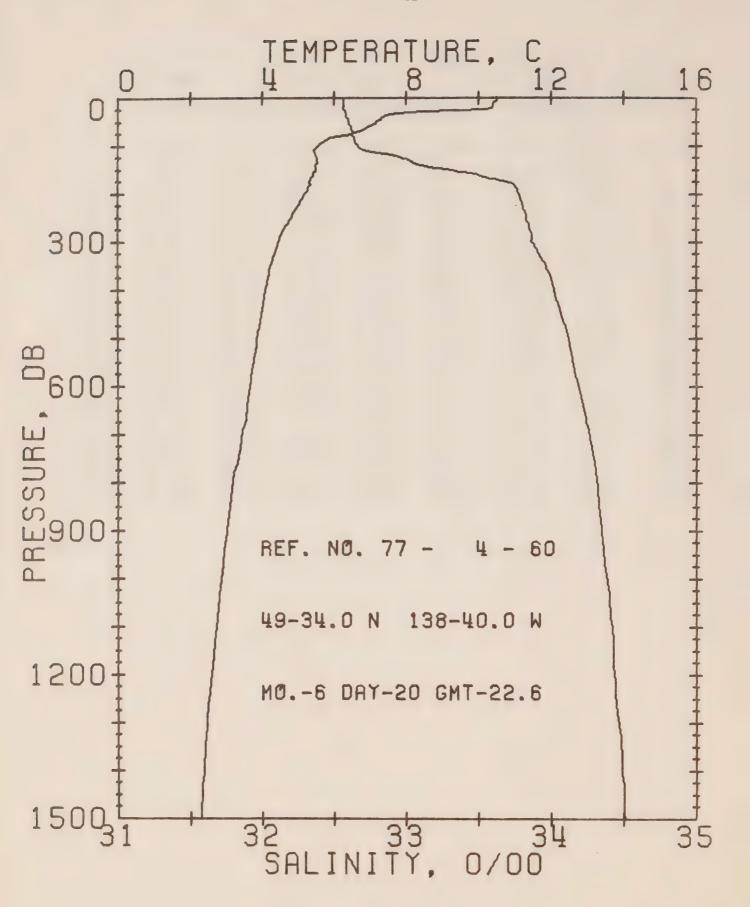
OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 59 DATE 20/ 6/77 STATION 11

POSITION 49-41.0N. 140-40.0W GMT 15.2

RESULTS OF STP CAST 161 POINTS TAKEN FROM ANALOG TRACE

TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
			T		D	EN	
9.66	32.63	0	25.18	279.3	0.0	0.0	1486.
9.66	32.63	10	25.18	279.7	0.28	0.01	1486.
9.59	32.63	20	25.19	278.8	0.56	0.06	1486.
7.80	32.64	30	25.48	251.7	0.83	0.13	1480.
6.89	32.66	50	25.62	238.9	1.31	0.32	1476.
6.40	32.67	75	25.69	232.3	1.90	0.70	1475.
5.75	32.70	99	25.80	222.3	2.47	1.20	1473.
5.43	33.07	124	26.13	191.2	3.00	1.81	1472.
5.31	33.63	149	26.58	148.6	3.41	2.38	1473.
5.13	33.76	174	26.70	137.1	3.76	2.97	1473.
4.77	33.79	199	26.77	131.0	4.10	3.61	1472.
4.52	33.81	223	26.81	127.1	4.42	4.30	1471.
4.31	33.83	248	26.85	123.6	4.73	5.06	1471.
4.13	33.88	298	26.91	118.3	5.33	6.75	1471.
3.93	34.02	397	27.04	106.3	6.45	10.73	1472.
3.75	34.12	496	27.14	97.7	7.47	15.38	1473.
3.55	34.18	595	27.21	91.9	8.42	20.70	1474.
3.12	34.31	793	27.35	79.4	10.12	32.83	1475.
2.86	34.38	990	27.43	72.7	11.65	46.78	1478.
2.61	34.45	1188	27.50	66 • 1	13.03	62.30	1480.
2.29	34.51	1484	27.58	59.4	14.91	88.10	1484.
	9.66 9.66 9.59 7.80 6.89 6.40 5.75 5.43 5.31 5.13 4.77 4.52 4.31 4.13 3.93 3.75 3.55 3.12 2.86 2.61	9.66 32.63 9.66 32.63 7.80 32.64 6.89 32.66 6.40 32.67 5.75 32.70 5.43 33.07 5.31 33.63 5.13 33.76 4.77 33.79 4.52 33.81 4.31 33.83 4.13 33.88 3.93 34.02 3.75 34.12 3.55 34.12 3.12 34.31 2.86 34.38 2.61 34.45	9.66 32.63 0 9.66 32.63 10 9.59 32.63 20 7.80 32.64 30 6.89 32.66 50 6.40 32.67 75 5.75 32.70 99 5.43 33.07 124 5.31 33.63 149 5.13 33.76 174 4.77 33.79 199 4.52 33.81 223 4.31 33.83 248 4.13 33.83 248 4.13 33.88 298 3.93 34.02 397 3.75 34.12 496 3.55 34.18 595 3.12 34.31 793 2.86 34.38 990 2.61 34.45 1188	T 9.66 32.63 0 25.18 9.66 32.63 10 25.18 9.59 32.63 20 25.19 7.80 32.64 30 25.48 6.89 32.66 50 25.62 6.40 32.67 75 25.69 5.75 32.70 99 25.80 5.43 33.07 124 26.13 5.31 33.63 149 26.58 5.13 33.76 174 26.70 4.77 33.79 199 26.77 4.52 33.81 223 26.81 4.31 33.83 248 26.85 4.13 33.83 248 26.85 4.13 33.88 298 26.91 3.93 34.02 397 27.04 3.75 34.12 496 27.14 3.55 34.18 595 27.21 3.12 34.31 793 27.35 2.86 34.38 990 27.43 2.61 34.45 1188 27.50	T         9.66       32.63       0       25.18       279.3         9.66       32.63       10       25.18       279.7         9.59       32.63       20       25.19       278.8         7.80       32.64       30       25.48       251.7         6.89       32.66       50       25.62       238.9         6.40       32.67       75       25.69       232.3         5.75       32.70       99       25.80       222.3         5.43       33.07       124       26.13       191.2         5.31       33.63       149       26.58       148.6         5.13       33.76       174       26.70       137.1         4.77       33.79       199       26.77       131.0         4.52       33.81       223       26.81       127.1         4.31       33.83       248       26.85       123.6         4.13       33.88       298       26.91       118.3         3.93       34.02       397       27.04       106.3         3.75       34.12       496       27.14       97.7         3.55       34.18       595	T         D           9.66         32.63         0         25.18         279.3         0.0           9.66         32.63         10         25.18         279.7         0.28           9.59         32.63         20         25.19         278.8         0.56           7.80         32.64         30         25.48         251.7         0.83           6.89         32.66         50         25.62         238.9         1.31           6.40         32.67         75         25.69         232.3         1.90           5.75         32.70         99         25.80         222.3         2.47           5.43         33.07         124         26.13         191.2         3.00           5.31         33.63         149         26.58         148.6         3.41           5.13         33.76         174         26.70         137.1         3.76           4.77         33.79         199         26.77         131.0         4.10           4.52         33.81         223         26.81         127.1         4.42           4.31         33.88         298         26.91         118.3         5.33 <tr< td=""><td>T D EN  9.66 32.63 0 25.18 279.3 0.0 0.0  9.66 32.63 10 25.18 279.7 0.28 0.01  9.59 32.63 20 25.19 278.8 0.56 0.06  7.80 32.64 30 25.48 251.7 0.83 0.13  6.89 32.66 50 25.62 238.9 1.31 0.32  6.40 32.67 75 25.69 232.3 1.90 0.70  5.75 32.70 99 25.80 222.3 2.47 1.20  5.43 33.07 124 26.13 191.2 3.00 1.81  5.31 33.63 149 26.58 148.6 3.41 2.38  5.13 33.76 174 26.70 137.1 3.76 2.97  4.77 33.79 199 26.77 131.0 4.10 3.61  4.52 33.81 223 26.81 127.1 4.42 4.30  4.31 33.83 248 26.85 123.6 4.73 5.06  4.13 33.88 298 26.91 118.3 5.33 6.75  3.93 34.02 397 27.04 106.3 6.45 10.73  3.75 34.12 496 27.14 97.7 7.47 15.38  3.55 34.18 595 27.21 91.9 8.42 20.70  3.12 34.31 793 27.35 79.4 10.12 32.83  2.86 34.38 990 27.43 72.7 11.65 46.78  2.61 34.45 1188 27.50 66.1 13.03 62.30</td></tr<>	T D EN  9.66 32.63 0 25.18 279.3 0.0 0.0  9.66 32.63 10 25.18 279.7 0.28 0.01  9.59 32.63 20 25.19 278.8 0.56 0.06  7.80 32.64 30 25.48 251.7 0.83 0.13  6.89 32.66 50 25.62 238.9 1.31 0.32  6.40 32.67 75 25.69 232.3 1.90 0.70  5.75 32.70 99 25.80 222.3 2.47 1.20  5.43 33.07 124 26.13 191.2 3.00 1.81  5.31 33.63 149 26.58 148.6 3.41 2.38  5.13 33.76 174 26.70 137.1 3.76 2.97  4.77 33.79 199 26.77 131.0 4.10 3.61  4.52 33.81 223 26.81 127.1 4.42 4.30  4.31 33.83 248 26.85 123.6 4.73 5.06  4.13 33.88 298 26.91 118.3 5.33 6.75  3.93 34.02 397 27.04 106.3 6.45 10.73  3.75 34.12 496 27.14 97.7 7.47 15.38  3.55 34.18 595 27.21 91.9 8.42 20.70  3.12 34.31 793 27.35 79.4 10.12 32.83  2.86 34.38 990 27.43 72.7 11.65 46.78  2.61 34.45 1188 27.50 66.1 13.03 62.30

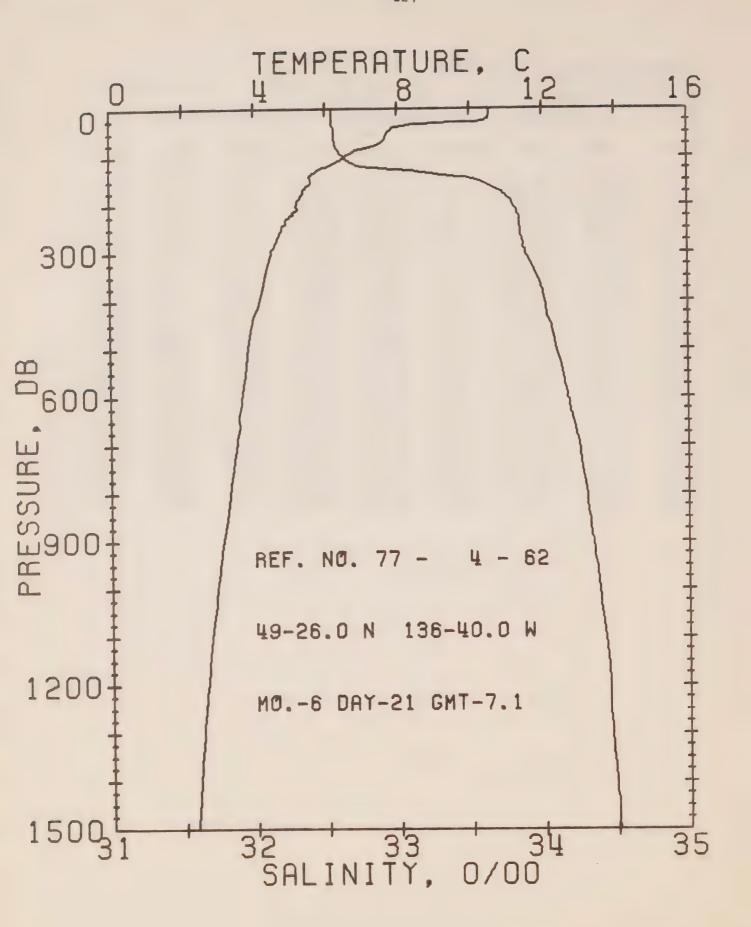


OFFSHORE OCEANOGRAPHY GROUP REFERENCE NO. 77- 4- 60

REFERENCE NO. 77- 4- 60 DATE 20/ 6/77 STATION 10
POSITION 49-34.0N, 138-40.0W GMT 22.6

RESULTS OF STP CAST 185 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	10.51	32.58	0	25.00	296.5	0.0	0.0	1489.
10	10.44	32.57	10	25.01	296.5	0.30	0.02	1489.
20	10.38	32.57	20	25.02	295.8	0.59	0.06	1489.
30	8.14	32.58	30	25.38	261.3	0.87	0.13	1481.
50	7.20	32.60	50	25.53	247.3	1.38	0.34	1477.
75	6.49	32.63	75	25.65	236.4	1.98	0.72	1475.
100	5.55	32.67	99	25.79	222.8	2.55	1.23	1472.
125	5.52	32.98	124	26.04	199.3	3.08	1.84	1472.
150	5.50	33.32	149	26.31	173.9	3.56	2.50	1473.
175	5.31	33.72	174	26.65	142.1	3.96	3.16	1473.
200	5.19	33.78	199	26.71	136.7	4.30	3.82	1473.
225	4.98	33.80	223	26.75	132.6	4.64	4.55	1473.
250	4.78	33.83	248	26.80	128.7	4.97	5.34	1473.
300	4.44	33.87	298	26.87	122.4	5.59	7.09	1472.
400	4.09	34.02	397	27.02	108.2	6.73	11.15	1472.
500	3.85	34.12	496	27.13	99.2	7.77	15.90	1473.
600	3.65	34.19	595	27.20	92.4	8.73	21.27	1474.
800	3.17	34.32	793	27.35	79.4	10.44	33.45	1476.
1000	2.86	34.38	990	27.43	72.2	11.96	47.37	1478.
1200	2.58	34.44	1188	27.50	66.6	13.34	62.82	1480.
1500	2.28	34.51	1484	27.58	59.2	15.22	88.56	1484.

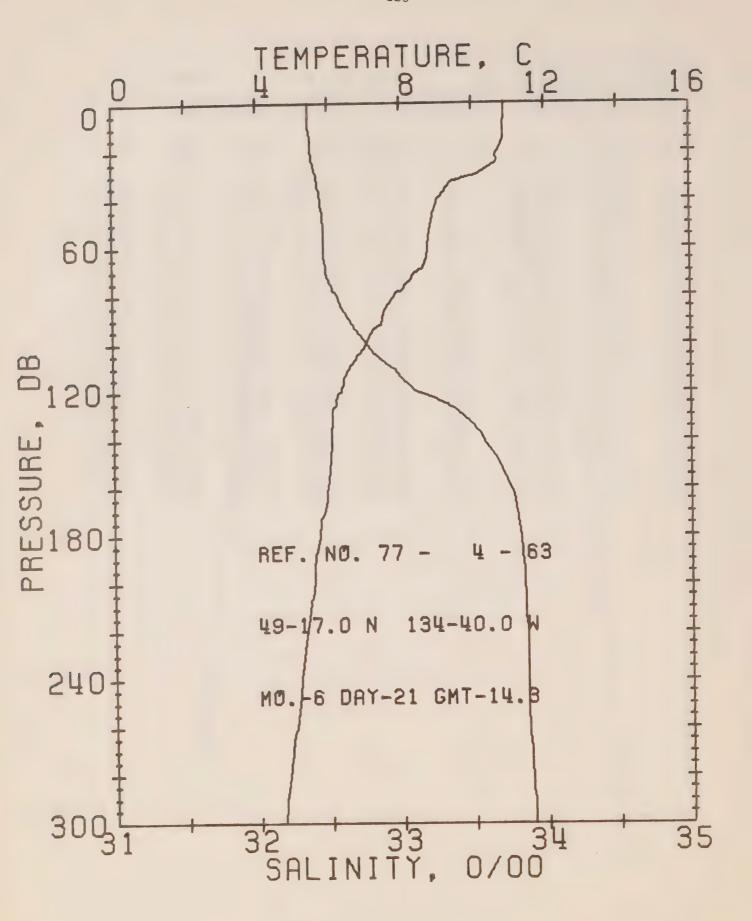


OFFSHORE OCEANOGRAPHY GROUP

REFERENCE NO. 77- 4- 62 DATE 21/ 6/77 STATION 9
POSITION 49-26.0N, 136-40.0W GMT 7.1

RESULTS OF STP CAST 205 POINTS TAKEN FROM ANALOG TRACE

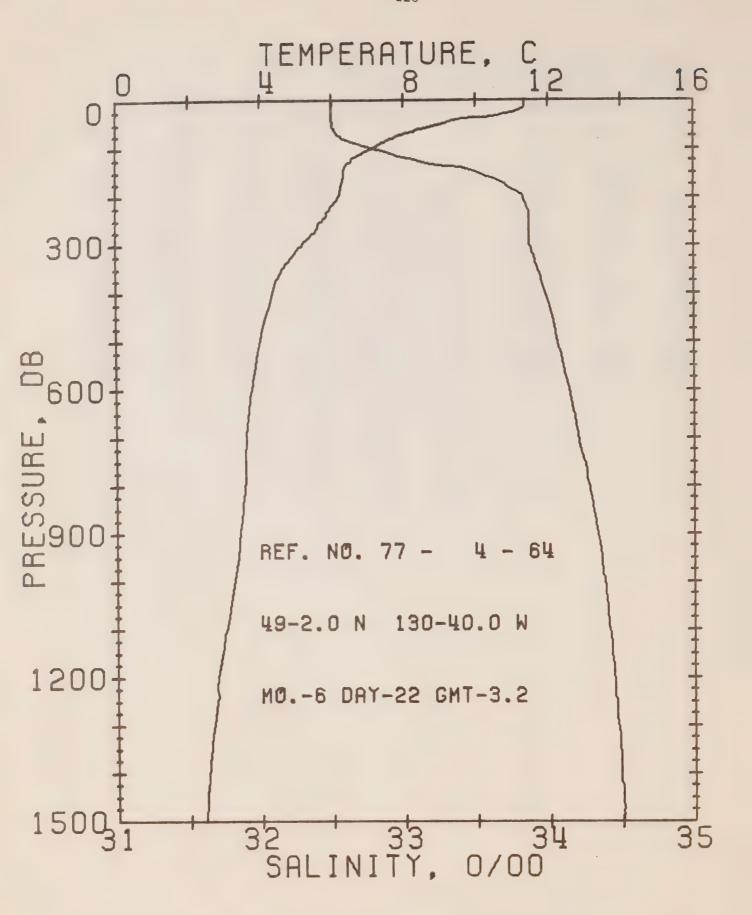
P	RESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SJUND
					T		B	EN	
	0	10.54	32.55	С	24.97	299.2	0.0	0.0	1489.
	10	10.56	32.55	10	24.97	299.9	0.30	0.02	1489.
	20	10.55	32.55	20	24.97	299.9	0.60	0.06	1490.
	30	9.11	32.55	30	25.21	277.6	0.90	0.14	1484.
	50	7.74	32.56	50	25.42	257.5	1.42	0.35	1480.
	75	7.47	32.57	75	25.47	253.5	2.06	0.76	1479.
	100	6.55	32.63	99	25.64	237.5	2.67	1.30	1476.
	125	5.87	32.93	124	25.96	207.1	3.24	1.96	1474.
	150	5.59	33.56	149	26.49	157.1	3.69	2.57	1474.
	175	5.36	33.73	174	26.65	141.9	4.06	3.19	1474.
	200	5.18	33.80	199	26.73	135.2	4.40	3.85	1473.
	225	5.02	33.84	223	26.78	130.3	4.74	4.57	1473.
	250	4.78	33.85	248	26.81	127.3	5.06	5.35	1473.
	300	4.48	33.88	298	26.87	122.1	5.68	7.10	1472.
	400	4.15	34.01	397	27.01	109.6	6.83	11.18	1473.
	500	3.82	34.09	496	27.11	100.8	7.88	15.98	1473.
	600	3.64	34.17	595	27.19	93.9	8.85	21.41	1474.
	800	3.29	34.30	793	27.32	82.0	10.60	33.86	1476.
1	000	2.92	34.38	990	27.42	73.3	12.15	48.07	1478.
1	200	2.62	34.45	1188	27.50	66.0	13.54	63.59	1480.
1	500	2.32	34.51	1 4 84	27.58	59.7	15.43	89.58	1484.



OFFSHORE OCEANOGRAPHY GROUP

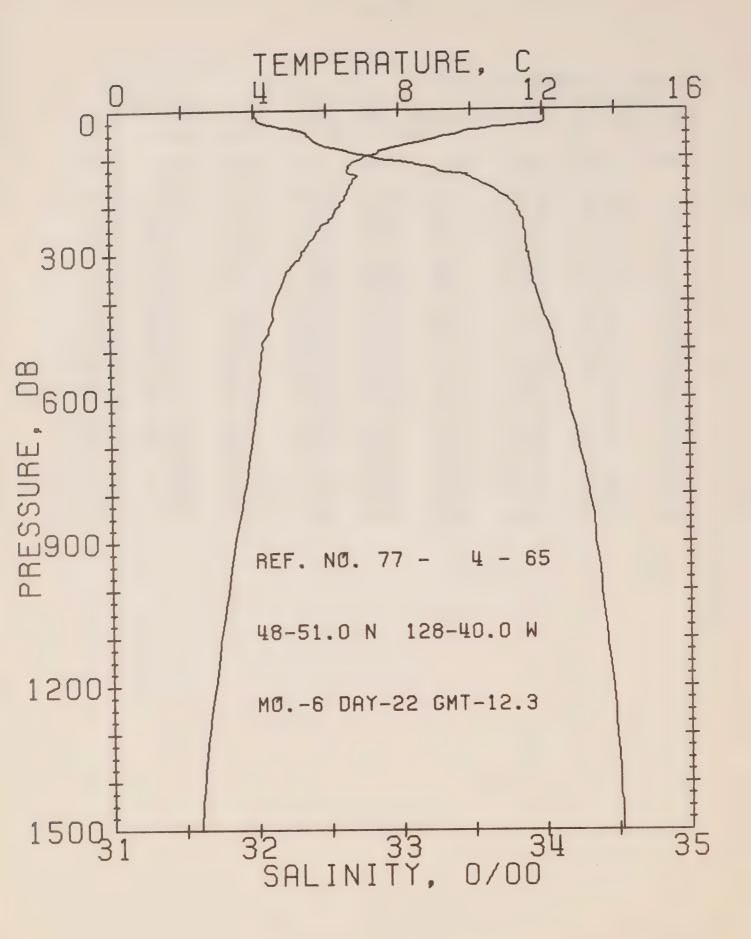
REFERENCE NO. 77- 4- 63 DATE 21/ 6/77 STATION 8
POSITION 49-17.0N, 134-40.0W GMT 14.3
RESULTS OF STP CAST 108 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		Ð	EN	
0	10.90	32.37	0	24.77	318.5	0.0	0.0	1490.
10	10.89	32.37	10	24.77	318.7	0.32	0.02	1490.
20	10.71	32.38	20	24.81	315.2	0.64	0.06	1490.
30	10.13	32.42	30	24.94	303.0	0.95	0.14	1488.
50	8.87	32.46	50	25.18	280.7	1.52	0.38	1484.
75	8.17	32.51	75	25.32	267.6	2.21	0.82	1482.
100	7.04	32.76	99	25.67	234.2	2 • 84	1.38	1478.
125	6.18	33.32	124	26.23	181.7	3.37	1.98	1476.
150	6.01	33.68	149	26.53	153.4	3.78	2.55	1476.
175	5.73	33.80	174	26.67	140.6	4.15	3.16	1475.
200	5.53	33.84	199	26.72	135.9	4.49	3.82	1475.
225	5.28	33.86	223	26.76	131.8	4.82	4.54	1474.
250	5.08	33.86	248	26.79	129.8	5.15	5.33	1474.
300	4.66	33.90	298	26.87	122.6	5.78	7.09	1473.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 64 DATE 22/ 6/77 STATION 6
POSITION 49- 2.0N, 130-40.0W GMT 3.2
RESULTS OF STP CAST 188 POINTS TAKEN FROM ANALOG TRACE

- (	PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
					T		D	EN	
	0	11.35	32.51	0	24.80	315.8	0 • C	0.0	1492.
	10	11.35	32.51	10	24.80	316.2	0.32	0.02	1492.
	20	11.24	32.50	20	24.81	315.2	0.63	0.06	1492.
	30	10.73	32.50	30	24.90	306.8	0.94	0.14	1490.
	50	9.04	32.51	50	25.19	279.8	1.53	0.38	1484.
	<b>7</b> 5	7.85	32.56	75	25.41	259.5	2.20	0.81	1480.
	100	7.15	32.79	99	25.69	232.9	2.82	1.36	1478.
	125	6.55	33.11	124	26.02	202.0	3.36	1.98	1477.
	150	6.35	33.51	149	26.36	169.7	3.82	2.62	1477.
	175	6.28	33.71	174	26.52	154.7	4.23	3.29	1477.
	200	6.20	33.82	199	26.62	145.3	4.60	4.01	1478.
	225	5.95	33.86	223	26.68	140.0	4 . 96	4.78	1477.
	250	5.73	33.87	248	26.72	136.7	5.30	5.62	1477.
	300	5.17	33.87	298	26.79	130.6	5.97	7.49	1475.
	400	4.34	33.98	397	26.96	114.3	7.19	11.80	1473.
	500	3.98	34.06	496	27.07	105.0	8.28	16.80	1474.
	600	3.75	34.14	595	27.15	97.2	9.29	22.45	1474.
	800	3.56	34.28	793	27.28	86.7	11.12	35.51	1477.
1	1000	3. 25	34.38	991	27.39	76.7	12.75	50 . 40	1479.
1	1200	2.79	34.44	1188	27.49	68.2	14.20	66.64	1481.
1	1500	2.41	34.50	1484	27.56	61.5	16.13	93.12	1484.

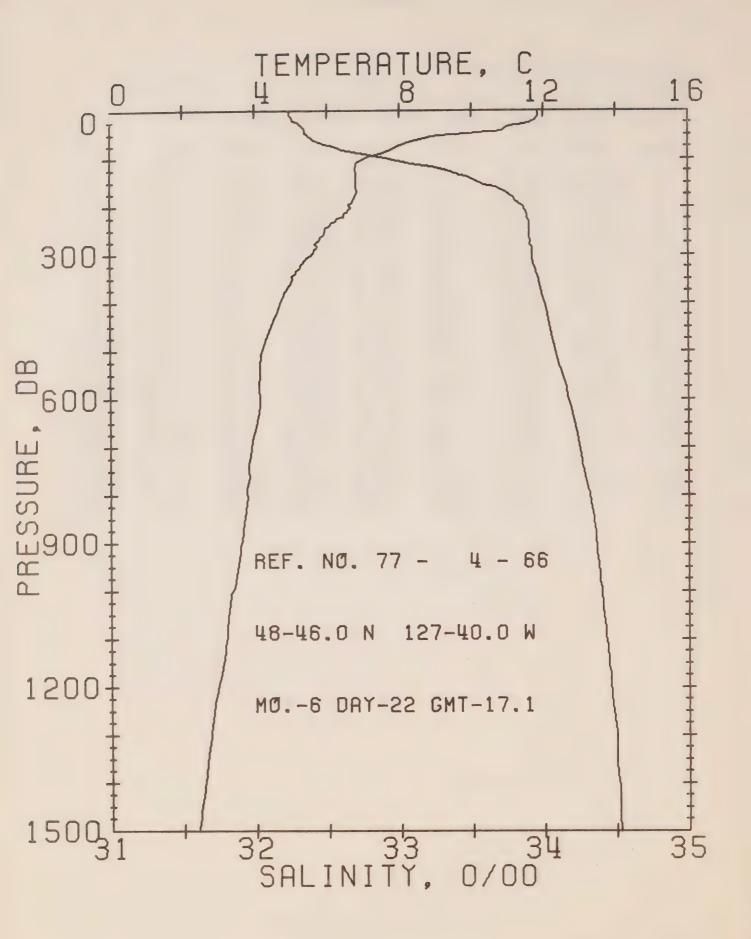


OFFSHORE OCEANGGRAPHY GROUP

REFERENCE NO. 77- 4- 65 DATE 22/ 6/77 STATION 5
POSITION 48-51.0N, 128-40.0W GMT 12.3

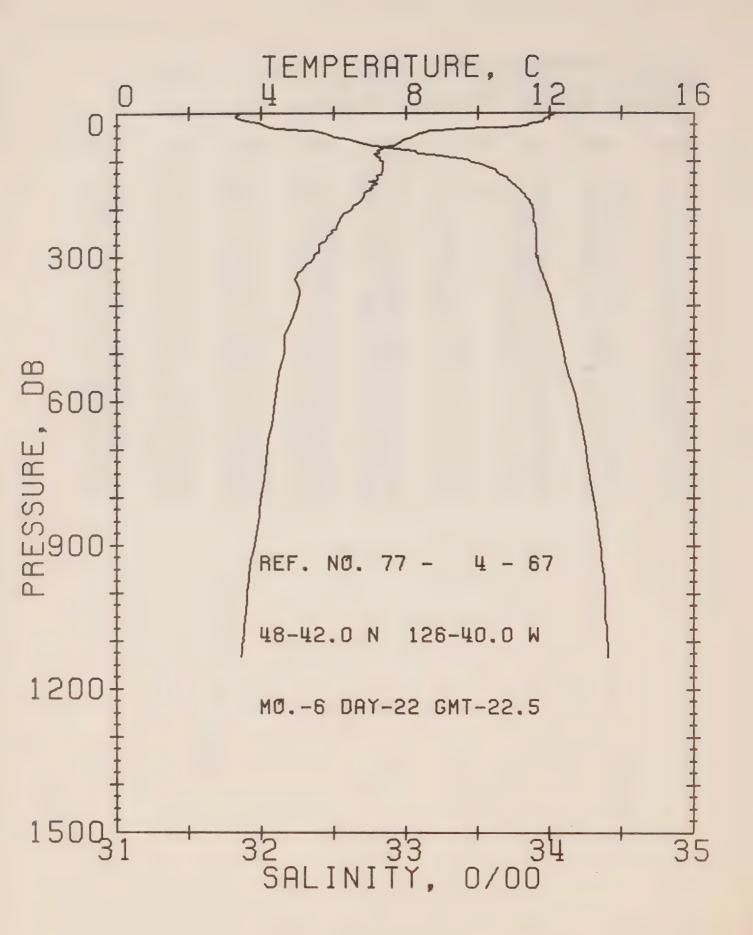
RESULTS OF STP CAST 186 POINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DLLTA	POT.	SOUND
				T		D	EN	
0	12.08	32.02	C	24.29	364.6	0 . C	0.0	1494.
10	12.08	32.01	10	24.28	365.8	C • 37	0.02	1494.
20	12.08	32.03	20	24.29	364.8	0.73	0.07	1494.
30	11.95	32.11	30	24.38	356.5	1.09	0.17	1494.
50	9.67	32.36	50	24.97	300.3	1.74	0.43	1487.
75	8.01	32.50	<b>7</b> 5	25.34	266.1	2.45	0.88	1481.
100	7.01	32.84	99	25.74	227.5	3.06	1.43	1478.
125	6.58	33.27	124	26.14	190.2	3.58	2.01	1477.
150	6.71	33.55	149	26.34	171.2	4.02	2.64	1478.
175	6.54	33.71	174	26.49	157.8	4.44	3.32	1478.
200	6.36	33.81	199	26.59	148.3	4.82	4.05	1478.
225	6.14	33.85	224	26.65	142.6	5.18	4.83	1478.
250	5.77	33.87	248	26.71	137.1	5.53	5.68	1477.
300	5.32	33.90	298	26.79	130.1	6.20	7.55	1476.
400	4.54	33.97	397	26.94	116.6	7.43	11.93	1474.
500	4.19	34.09	496	27.06	105.3	8.54	17.00	1475.
600	4.05	34.17	595	27.14	98.6	9 • 55	22.70	1476.
800	3.63	34.31	793	27.30	84.9	11.39	35.77	1477.
1000	3.20	34.39	991	27.40	75.6	12.99	50.37	1479.
1200	2.82	34.47	1188	27.50	66.7	14.41	66.31	1481.
1500	2.39	34.52	1484	27.58	59.8	16.29	92.08	1484.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 66 DATE 22/ 6/77 STATION 4
POSITION 48-46.0N, 127-40.0W GMT 17.1
RESULTS OF STP CAST 193 POINTS TAKEN FROM ANALOG TRACE

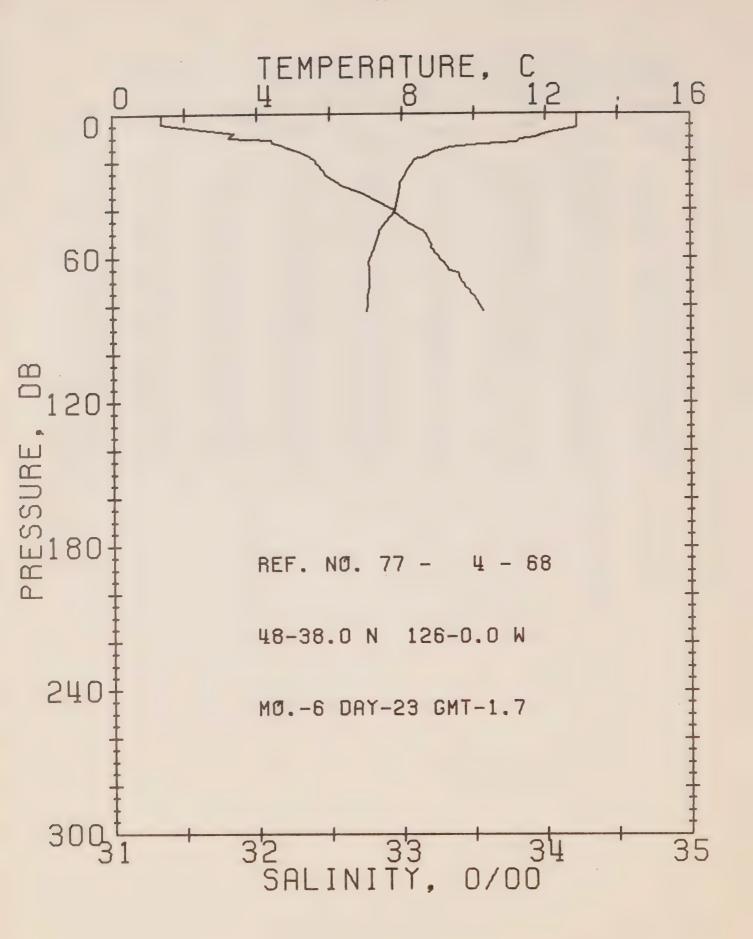
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT. EN	GNUCS
	* * 00	70.04	O	24.49	344.8	0 • C	0.0	1494.
0	11.88	32.24						
10	11.86	32.24	10	24.50	344.9	0.35	0.02	1494.
20	11.78	32.26	20	24.53	342.3	0.69	0.07	1494.
30	11.25	32.32	30	24.67	328.9	1.03	0.16	1492.
50	9.63	32.36	50	24.98	299.7	1.66	0.41	1486.
75	7.95	32.55	75	25.38	261.8	2.36	0.86	1481.
100	7.04	32.94	99	25.81	220.9	2.97	1.40	1478.
125	6.79	33.34	124	26.16	188.1	3.48	1.98	1478.
150	6.79	33.55	149	26.33	172.6	3.93	2.61	1479.
175	6.79	33.76	174	26.50	157.1	4.34	3.28	1479.
200	6.64	33.86	199	26.59	148.3	4.72	4.01	1479.
225	6.27	33.89	223	26.67	141.5	5.08	4.80	1478.
250	5.94	33.90	248	26.72	137.1	5.43	5.64	1477.
300	5.57	33.92	298	26.78	131.7	6.10	7.52	1477.
400	4.68	34.01	397	26.95	115.6	7.33	11.90	1475.
500	4.19	34.08	496	27.06	105.6	8.44	16.97	1475.
600	4.13	34.17	595	27.14	99.0	9.46	22.67	1476.
800	3.78	34.32	793	27.29	85.8	11.30	35.75	1478.
1000	3.36	34.40	991	27.40	76.7	12.92	50.64	1480.
1200	2.95	34.46	1188	27.49	68.7	14.38	66.92	1481.
1500	2.41	34.53	1484	27.59	59.3	16.28	93.02	1484.
2000		0.300	B . G .					



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 67 DATE 22/ 6/77 STATION 3
PCSITION 48-42.0N, 126-40.0W GMT 22.5

RESULTS OF STP CAST 176 POINTS TAKEN FROM ANALOG TRACE

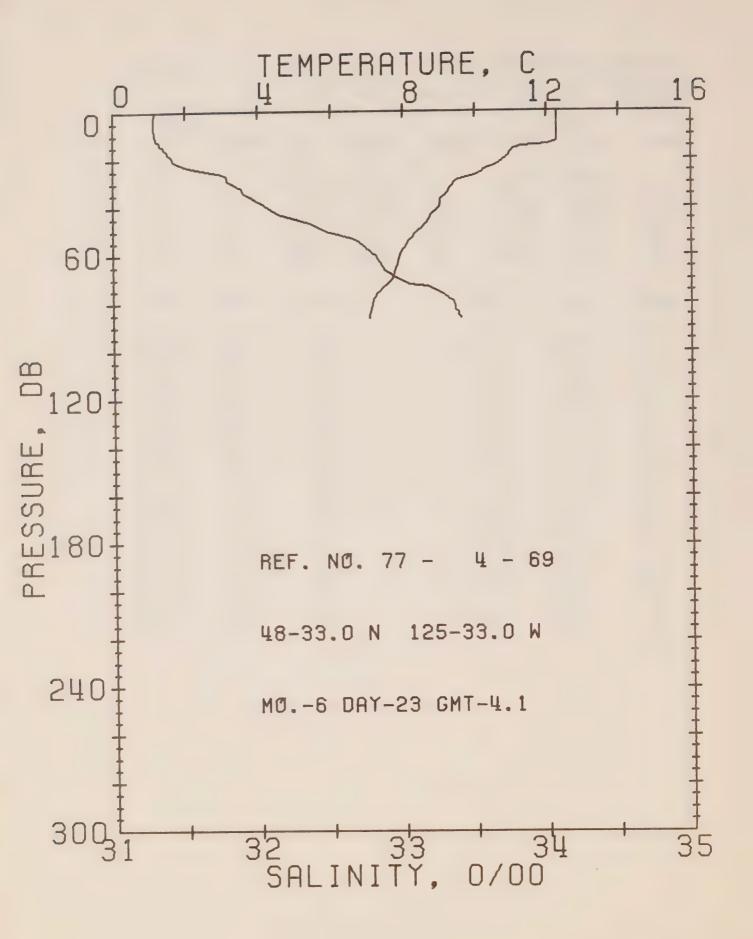
PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA	POT.	SOUND
				T		D	EN	
0	12.15	31.86	0	24.15	377.6	0.0	0.0	1494.
10	11.93	31.83	10	24.17	376.4	0.38	0.02	1493.
20	11.72	31.96	20	24.31	363.4	0.75	0.08	1493.
30	10.72	32.06	30	24.56	339.2	1.10	0.17	1490.
50	8.21	32.50	50	25.31	268.4	1.68	0.40	1481.
75	7.33	32.97	75	25.80	221.9	2.30	0.79	1479.
100	7.35	33.45	99	26.17	186.7	2.80	1.24	1480.
125	7.33	33.65	124	26.33	172.0	3.25	1.75	1481.
150	7.12	33.76	149	26.45	161.6	3.67	2.33	1480.
175	6.80	33.84	174	26.56	151.5	4.06	2.98	1480.
200	6.49	33.89	199	26.64	144.1	4.42	3.68	1479.
225	6.14	33.89	223	26.68	140.0	4.78	4.45	1478.
250	5.95	33.91	248	26.72	136.4	5.12	5.29	1478.
300	5.46	33.91	298	26.78	131.0	5.79	7.15	1476.
400	4.98	34.02	397	26.93	118.1	7.02	11.53	1476.
500	4.64	34.10	496	27.03	109.2	8.15	16.71	1476.
600	4.37	34.19	595	27.13	100.4	9.20	22.57	1477.
800	4.00	34.30	793	27.26	89.5	11.09	36.07	1479.
1000	3.60	34.39	991	27.37	80.2	12.78	51.54	1481.



OFFSHORE OCEANOGRAPHY GROUP
REFERENCE NO. 77- 4- 68 DATE 23/ 6/77 STATION 2

POSITION 48-38.0N, 126- 0.0W GMT 1.7
RESULTS OF STP CAST 39 POINTS TAKEN FROM ANALOG TRACE

RESULTS	OF STP	CAST	9 POIN	NTS TAK	EN FROM	ANALOG	TRACE	
PRESS	TEMP	SAL DE	РТН	SIGMA	SVA	DELTA	POT.	SGUND
0	12.88	31.34	0	23.61	429.2	0.0	0.0	1496.
10	11.72	31.81	10	24.19	374.3	0.41	0.02	1493.
	8.32	32.40	20	25.21		0.72		1481.
30	7.94	32.59	30	25.42		0.99		1480.
50		33.16	50	25.95	207.6	1.45	0.32	1479.
75		33.48	75	26.24	179.9	1.93	0.63	1479.
DEPTH	TEMP	SAL		0	EPTH	TEMP	SAL	
0.	12.88				36.	7.88	32.82	
3.	12.88				40.	7.80	32.94	
4 .	12.88	31.34			41.	7.78	32.95	
6.	12.88	31.58				7.54	33.04	
8.	12.15	31.85				7.37		
9.	11.95	31.83			50 •	7.35	33.16	
10.	11.72	31.81			55.	7.24	33.20	
11.	11.31	32.10			56.	7.23	33.20	
12.	11.23	32.11			61.	7.10	33.27	
13.	10.25	32.17			62.	7.07	33.29	
14.	9.37	32.21			65.	7.09	33.33	
16.	8.89	32.31			66.	7.10	33.39	
18.	8.66	32.37			69.	7.10	33.40	
19.	8.37	32.39			71 .	7.10	33.43	
24.	8.13	32.46			72.	7.09	33.44	
25.	8.11	32.47			76.	7.05	33.50	
29.	7.96	32.56			78.	7.04	33.52	
30.	7.94	32.59			80.	7.03	33.54	
33.	7.92	32.72			82.	7.02	33.56	
35.	7.90	32.78						



OFFSHORE OCEANGGRAPHY GROUP
REFERENCE NO. 77- 4- 69 DATE 23/ 6/77 STATION 1

POSITION 48-33.0N, 125-33.0W GMT 4.1

32.14

8.81

43.

RESULTS OF STP CAST 46 PCINTS TAKEN FROM ANALOG TRACE

PRESS	TEMP	SAL	DEPTH	SIGMA	SVA	DELTA		SOUND
				T		D	EN	
0	12.30	31.29	0	23.68	422.4	0 • C	0.0	1494.
10	12.28	31.29	10	23.69	422.5	0.42	0.02	1494.
20		31.41	20	24.03		0.83	0.08	1489.
30	9.43	31.82	30	24.59		1.19		
50	8.41	32.47	50			1.81		
75	7.35	33.24	75	26.01	201.7	2.41	0.80	1479.
DEPTH	TEMP	SA	L	0	EPTH	TEMP	SAL	
0.	12.30	31.	29		45.	8.72	32.28	
4.	12.29				47.	8.64	32.37	
7.	12.28				48.	8.55	32.41	
10.	12.28	31 •			50.	8.41	32.47	
12.	12.28				51.	8.34	32.52	
13.	12.28				53.	8.24	32.64	
14.	12.05				54 .	8.16	32.69	
15.	11.31				56.	8.08	32.73	
16.	11.06				59.	7.94	32.78	
19.	10.94				60.	7.91	32.81	
21.	10.78				65.	7.82	32.86	
23.	10.57				66 •	7.79	32.87	
24.	10.31				69.	7.73	32.94	
26.	10.12				70 .	7.71	32.98	
27.	9.99				72.	7.58	33.05	
29.	9.48				73.	7.48	33.17	
32.	9.32				76.	7.28	33.28	
34 •	9.26				78.	7.20	33.32	
36.	9.09				79.	7.16	33.35	
37.	9.05				83.	7.11	33.37	
39.	9.03				84 .	7.09	33.39	
40.	9.01				85.	7.08	33.39	
400	0.01				86.	7-06	33.40	

7.08 33.39 7.06 33.40

86 •



Surface Salinity and Temperature Observations

(P-77-4)

SURFACE SALINITY AND TEMPERATURE OBSERVATIONS
CRUISE REFERENCE NUMBER 77- 4

					TE NO	LONGITUDE
D	ATE.			SALINITY	TEMP	LONGITUDE
AS I		DY	GMT	0/00	С	123-30
77	5	6	1650	31.721		124- 0
77	5	5	1802	31.546		124-30
77	5	5	1923	31.243		125- 0
77	5	6	2043	30.095	10 5	125-33
77	5	6	2215	31.892	10.5	
77	5	5	2350	31.954	1001	126- 0 126-40
77	5	7	230	32,120	10.0	127-40
77	5	7	520	32,207	9.5	128-40
77	5	7	945	32.386	9.0	129-40
77	5	7	1330	32,477	2.2	130-40
77	5	7	1635	32:465	9,2	131-40
77	5	7	2030	32,392	2 0	132-40
77	5	7	2340	32,477	9,0	133-40
77	5	8	330	32,448	0 5	134-40
77	5	8	610	32,473	8,5	135-40
77	5	8	1030	32,539	~ ~	136-40
77	5	8	1320	32,568	707	137-40
77	5	8	1650	32,574	~ ~	138-40
77	5	8	1945	32,606	7.3	139-40
77	-5	9	115	32,619	7.0	140-40
77	5	9	405	32.667	7.0	141-40
77	5	9	745	32.645	7.0	142-40
77	5	9	1200	32.705	7.0	143-40
77	5	9	1710	32,716	7 • 0 6 • 0	ON STATION
77	5	11	0	32.707	ნ <b>ა</b> 0	ON STATION
77	5	12	0	32.693	5,9	ON STATION
77	5	13	0	32 <b>,</b> 706 32, 772	5.5	ON STATION
77	5	14	0	32,729	5.0	ON STATION
77	5	15	0	32.723	6.1	ON STATION
77	5	16	0	32.714	601	ON STATION
77	5	17	0	32.709	5.2	ON STATION
77	5	18	0	32,696	6.2	ON STATION
77	5	19	0	32,687	5 0 4	ON STATION
77	5	20	0	32,717	5.2	ON STATION
77	5	21	0	32.690	6.4	ON STATION
77	5	22	0	32.697	6.3	ON STATION
77	5	23		32.787	5.9	ON STATION
77	5	24		32.755	6.9	ON STATION
	5	25		32.694	6.3	ON STATION
77	5 5	26 27		32,745	5.3	ON STATION
77	5	28		32.597	6.5	ON STATION
77	5	29		32.712	7.0	ON STATION
77	5	30		32,702	706	ON STATION
1	1	., 0	0			

SURFACE SALINITY AND TEMPERATURE OBSERVATIONS CRUISE REFERENCE NUMBER 77- 4

г	DATE	- / <b>T</b>	TME	SALINITY	TEMP	LONGITUDE
ΑĠ	MO	DY	GMT	0/00	C	WEST
77	5	31	0	32,702	8.5	ON STATION
77	5	1	0	32,730	7.5	ON STATION
77	6	2	0	32,726	7,5	ON STATION
77	5	3	0	32.721	8.4	ON STATION
77	6	4	. 0	32,745	8.3	DN STATION
77	6	5	0	32,754	7.4	ON STATION
77	6	6	0	32.726	7.4	ON STATION
77	6	7	0	32.723	7.07	ON STATION
77	6	8	0	32.734	8.0	ON STATION
77	6	9	0	32.718	8.3	ON STATION
77	6	10	0	32.694	8 9 4	ON STATION
77	6	11	0	32.718	8.2	ON STATION
77	6	12	0	32.693	8.2	ON STATION
77	6	13	0	32,673	8.3	ON STATION
77	6	14	0	32,657	8.7	ON STATION
77	5	15	0	32.667	8.5	ON STATION
77	5	16	0	32.671	8•2	ON STATION
77	6	17	0	32.700	8.5	ON STATION
77	6	18	0	32,672	8.4	ON STATION
77	5	19	0	32,669	8.7	ON STATION
77	6	20	205	32,635		143-40
77	6	20	710	32.639	9.4	142-40
77	6	20	1135	320635		141-40
77	6	20	1510	32 631	9.6	140-40
77	6	20	1900	32.618		139-40
77	6	20	2235	32,567	10.5	138-40
77	6	21	345	32,532		137-40
77	5	21	705	32,540	10.5	136-40
77	6	21	1035	32,450		135-40
77	6	21	1415	32,377	10.9	134-40
77	6	21	1800	32.380		133-40
77	5	21	2110	32,462	11.3	132-40
77	6	22	0	32.474	12.5	131-40
77	6	22	310	32,506	11.4	130-40
77	6	22	735	32.495		129-40
77	6	22	1210	31,993	1201	128-40
77	6	22	1700	32,235	11.9	127-40
77	6	22	2230	31.846	1201	126-40
77	5	23	140	31.305	1206	126-0
77	6	23	405	31,233	12.3	125-33
77	5	23	640	31.534		125-0
77	6	23	910	31.459		124-30
77	5	23	1105	31.473		124- 0
77	5	23	1330	31.193		123-30

b DENOTES SALINITY SAMPLE TAKEN FROM A BUCKET. ALL OTHER SAMPLES TAKEN FROM THE SEAWATER LOOP

# LIST OF OMISSIONS FROM DATA

Hydrographic Data:

Consec. #	Depth (m)	Temp.	Sal.	02	No 1.	otes 2.	3.	Comments
11 24	797 234		*	*		* *		
26 39	234 114 100	*		*	*	*		Temp.suspect Temp. too low
	125 4194 4194	*	*	*	*	*		Temp.suspect

# Notes (MacNeill, 1977)

- 1. The data is suspect because of reversal of gradient by >.01  $^{\circ}/oo$  (salinity) or >.08 ml/& (oxygen).
- 2. The data is deleted because of very irregular data values (usually a mistripping or leaking bottle if both oxygen and salinity are irregular).
- 3. The data is deleted because duplicate samples at a depth were not within .01  $^{\rm O}/{\rm oo}$  (salinity) or .08 ml/  ${\it l}$  (oxygen).

### STD Data:

Consecutive #	Comments
28	Deep cast omitted; cast starts at
36	Omitted; temperature trace too erratic





Govt Pabra

# A LORAN-C CALIBRATION, THE WEST CANADIAN CHAIN LATTICING AND GUIDANCE SYSTEMS FOR INSHORE OPERATIONS

by

A. Mortimer and R. Schoenrank



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November 1977

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### ABSTRACT

This report describes some Loran-C calibration measurements made in Caamano Sound and Douglas Channel on the northern British Columbia coast. Empirical models for accurate chart latticing were made. Some alternatives for a third guidance option are discussed since the Loran-C system has weaknesses when used inshore.

### INTRODUCTION

Increases in tanker traffic on the British Columbia coast have generated a need for more accurate positioning, partly fulfilled by the introduction of Loran-C. The Loran-C system is designed to provide positioning information within the coastal confluence zone with an accuracy better than  $\pm$  500 metres (m)1. The coastal confluence zone extends to about 100 kilometres (km) offshore or to the edge of the continental shelf.

Loran-C coverage of the B.C. coast is provided by the West Canadian Chain with the master transmitter at Williams Lake, the X secondary at Shoal Cove, Alaska and the Y secondary at Moses Lake, Washington (Figure 1). The Williams Lake transmitter is operated by the Canadian Coast Guard using equipment supplied by the United States Coast Guard (USCG) who operate the secondary stations of this chain. The West Canadian coverage is linked in the south to the Western U.S. Chain and in the north to the Gulf of Alaska Chain.

The charting calibration of the West Canadian Chain was done in March and April, 1977. During this operation low signal strengths from the distant secondary transmitters were observed at the entrance to Juan de Fuca Strait and Dixon Entrance.

The principal object of the Canadian Hydrographic Service (CHS) calibration was to provide information on spatial propagation effects, so that charts of scales 1:150,000 or smaller might be accurately latticed. Changes in the Additional Secondary Factor (ASF) due to differences in conductivity from the conductivity used in the predictive model were measured by comparison of Loran-C ranges and doppler satellite positions. The resulting ASF's will be applied as small constant corrections to the emission delays used in latticing each chart.

The problem of latticing inshore charts at scales as large as 1:50,000 is complicated by the effects of the abrupt conductivity change at the coastline. Three methods of modelling the effects of such changes for inshore charting can be considered.

1. The empirical method.

2. The computed ASF model, using a fitted correction surface for each lattice derived from a computed ASF model or map.

3. Direct (on line) computation of ASF, from a simple conductivity model or map for the major plotting points of a lattice.

The latter two methods are very similar; both call for the production of conductivity or ASF models for the chain coverage area.

Although the problem of transforming Loran-C time differences (TD's), whether for chart latticing or other purposes, is important, it is a futile pursuit if reception of the Loran-C signal is not reliable. The reception of Loran-C in inshore areas is a function of several variables. Distance along, and the conductivity of, the path from receiver to transmitter is of major importance in attenuating a Loran-C transmission. Pulse shape as well as pulse amplitude are affected by attenuation. Abrupt conductivity changes at the coastline produce phase lag changes. The results of early segments of the CHS calibration indicated that additional measurements should be made in the fiords of the B.C. coast if Loran-C was to be evaluated as a guidance option for port approaches.

The potential for Loran-C for this purpose is limited at present by the predictability of the system. Predictability, the ability to determine the position independent of the receiver or coordinate system used, is dependent on knowledge of spatial and temporal propagation effects. Repeatability for a Loran-C position line using the hyperbolic mode is  $\pm$  50 m depending on the signal-to-noise ratio and the receiver used.

As part of the charting calibration of the West Canadian Chain, the CHS conducted an investigation designed to examine the usefulness of Loran-C for positioning in British Columbia's fiords and their approaches.

### MEASUREMENTS

In Caamano Sound in July 1977 precise positioning was available, so this area was chosen for calibration measurements. Measurements for noise and field strength of the Loran-C signal were made in Douglas Channel. The Loran-C receiving equipment in C.S.S. Pandora II (Capt. R. Jones) is listed below:

- 1 Austron 5000 Monitor Receiver;
- 1 PDP 8e computer;
- 1 H.P. 5062C cesium frequency standard;
- 1 Silent 700 data terminal;
- 1 Internav LC 204 receiver; and,
- 1 HP 9825 Calculator.

The Austron 5000 Loran-C receiver was lent to the CHS by the USCG. This receiver gives receiver gain information that can be translated into field strength. It also yields a noise number, derived from pulse time of arrival (T.O.A.) variations. This number can be related to ambient noise. The tracking point relative to the envelope is measured, as well as T.O.A.'s and T.D.'s. The basis for the calibration comparisons was positions defined by the Motorola Range Positioning system, with transponders deployed at the entrance to Caamano Sound (Figure 2). Errors in these positions were not expected to exceed ± 15 m.

As an uninterruptable power supply was not available to ensure continuous synchronization, the T.O.A. measurements cannot be related to absolute propagation time or range measurements. These T.O.A. measurements provide

information locally about relative changes in the A.S.F. for each transmission path. Simultaneous comparison positions were obtained as the Pandora II was run along courses radial to the three transmitter stations (Figure 2).

### TOPOGRAPHY

The Douglas Channel and Caamano Sound areas are about 500 km from the master transmitter, 300 km from the X secondary and about 1000 km from the Y secondary. The propagation path from Williams Lake (master) to this part of the northern B.C. Coast is rugged. Near the transmitter the path runs across the basaltic Chilcotin Plateau. The second part of the propagation path crosses the dioritic Coast Mountains with changes of elevation of over 2000 m. The transmission from Moses Lake has the longest path, for the most part over the Coast Mountains, with changes in elevation of up to 3000 m (Figure 3).

In the immediate vicinity of Douglas and Principe Channels the hills at the coast rise to 300 m and inland to 700 m, with a few small glaciers west of Kitimat. The channels are wider and the overall relief is generally less dramatic than that found in many other areas of the B.C. coast.

### SIGNAL CHARACTERISTICS

The Pandora II made a passage up Douglas Channel from Wright Sound and back to Caamano Sound between midnight and noon local time (P.D.T. Z + 7h). Before midnight, in narrow Princess Royal Channel neither the monitor receiver nor the commercial receiver produced satisfactory results. In Wright Sound both receivers acquired the Loran-C signal from all three transmitters of the West Canadian Chain. During the hours of darkness, in Douglas Channel, the commercial receiver generally acquired skywave signals from the Y secondary. The warning lights on the receiver did not indicate skywave. When the commercial receiver was put on to the correct T.D.'s it failed to track the Y pattern satisfactorily.

The monitor receiver showed a large skywave from the Y secondary 1000 km to the south, preceded by a minute groundwave. It was remarkable that this receiver managed to track this groundwave so faithfully and produce correct T.D.'s. After sunrise the commercial receiver acquired and tracked all three transmissions correctly.

The field strengths and noise measurements for Douglas Channel and Caamano Sound are shown in Figures 4, 5 and 6 for all three transmissions. The cycle numbers are shown on Figure 7. The field strengths for the Y transmitter are predictably low and inadequate for reliable use. The noise levels are generally low. Cycle numbers, which bear a relationship to envelope to cycle difference (E.C.D.) vary from 2.73 to 3.33 for the reception of the Y secondary in Douglas Channel (Figure 7). Whether this variation is due to the weak signal strength or to other (topographic) effects is not known. In Caamano Sound, field strengths tend to be rather higher than in the fiords, markedly so for the Shoal Cove transmission.

### CALIBRATION

The Pandora II was navigated up the middle of Douglas Channel using radar for positioning. Loran-C fixes in the channel plot consistently about 600 m south and west of the ship's track. The algorithm used to derive Latitude and Longitude for plotting assumed an all seawater propagation path from the transmitters. Variances in these comparisons can be attributed as much to the radar fixes as to Loran-C errors. However these informal tests did demonstrate that consistent Loran-C fixes could be obtained in Douglas Channel.

The more accurate calibration for empirical lattice modelling was made at the entrance to Caamano Sound. The calibration defined local changes in Loran-C pulse T.O.A.'s relative to an arbitrary origin. At this origin the difference between the observed Loran-C position and the accurate calibration position was set to zero. These local changes in T.O.A. may be attributed to localized phase lag changes, short term temporal changes, random errors in Loran-C measurements and random errors in accurate position measurements. The observed changes from Lines A, B and C (See Figure 2) have been plotted in Figures 8, 9 and 10. The computed local changes have also been plotted on the same graphs. The computation includes a secondary phase correction using the Bedford Institute of Oceanography (B.I.O.) linear model, assuming an all seawater path to the transmitters, where: -

Travel Time 
$$(T_c) = C_1 T^2 + C_2 T + C_3 + T_0$$
  
in which  $T_0$  (µsec) is observed travel time,  
 $T_C$  is corrected travel time,  
and  $C_1$  = 0.793 827 \* 10<sup>-8</sup>  
 $C_2$  = 0.909 076 \* 10<sup>-3</sup>  
 $C_3$  = -0.207

are constants.

Differences between the observed changes in T.O.A. and the predicted changes are quite large (0.2  $\mu sec$ ). In the case of the Master and Y secondary, the changes have a different sign, i.e. whilst predicted phase lag increases, observed phase lag decreases.

Calibration lines were also run inside Caamano Sound. Owing to equipment problems these were not completed. Figures 11 and 12 show the local changes in phase lag for propagation from the Master and X transmitters respectively. These are lines D and E in Figure 2. Phase lags from the Master show no major perturbations. Phase lags from the X secondary display nicely the phase lag recovery effect as the ship moved away from shore.

Deviations from low order models of these local changes in phase lag appear to be about  $\pm~0.08~\mu sec$  in both areas of Caamano Sound calibrated. This error term includes short term temporal changes, but these deviations would be decreased by the use of a local monitor. Excluding the temporal changes from the T.O.A.'s it appears that a model can be made based on these calibrations. This model would allow accurate hyperbolic

latticing. Errors (65% confidence interval) for the predicted hyperbolae, in this small area off Caamano Sound, are unlikely to exceed  $\pm$  35 m for TD-X and  $\pm$  120 m for TD-Y.

### MODELS

### 1. EMPIRICAL

When the effects of conductivity are modelled empirically, the Loran-C predictions are forced to fit the observations over a small region.

In Caamano Sound the calculated pattern readings, the observed pattern readings and the differences between calculated and observed were tabulated (Table 1).

If the calculated values were corrected by the mean of the differences for each pattern, the expected error in the X pattern is 0.17  $\mu sec$  and the expected error in the Y pattern is 0.22  $\mu sec$ . These errors are not significantly smaller than the predicted Loran-C system errors computed for Caamano Sound (0.12  $\mu sec$  in the X pattern and 0.39  $\mu sec$  in the Y pattern).

To correct the calculated values to agree with the observed values a function of the differences had to be found such that

$$T_{XC} - T_{XO} = f (T_{XO}, T_{XO})$$

and 
$$T_{XC} - T_{yO} = f (T_{XO}, T_{yO})$$
.

To find these functions a stepwise forward regression analysis was done and the final form of both functions was

$$T_{xc} - T_{xo} = b_0 + b_1 T_{xo} + b_2 T_{yo}$$

$$T_{yc} - T_{yo} = b_o + b_1 T_{xo} + b_2 T_{yo}$$
.

The coefficients and the analysis of variance are given in Tables 2 and 3.

The expected error of the predicted values is 0.09  $\mu$ sec in the X pattern and 0.15  $\mu$ sec in the Y pattern when the calculated values are corrected by the functions (model) found above.

In summary, the expected error in position for Caamano Sound is:

	X pattern	Y pattern
System Error	0.12 µsec	0.39 µsec
Uncorrected Calculations	4.22 µsec	0.56 µsec
Constant Correction	0.17 μsec	0.22 µsec
Model Corrections	0.09 μsec	<b>0.15</b> μsec

It should be noted that the expected error for the model is less than the system error and any further attempts to model for greater accuracy will be frustrated by the randomness of the system.

### 2. ASF MODEL

In modelling the computed ASF, the conductivities on the propagation path must be known (i.e. a conductivity map). Then for each point in the area under study the ASF factor must be computed to each Loran transmitter as a line integral along the propagation path.

This technique must be done from the transmitter to the point and from point to transmitter and the results must be iterated until the ASF factor is identical for that propagation path in both directions.

This is what is required for both modelling the ASF factor and direct (on-line) computations of the ASF factor.

When the ASF factor for each transmitter is known at a number of points in the area under study, then a stepwise regression is carried out and a model ASF surface is fitted for each transmitter. Using these 3 surfaces two time difference correction surfaces can be derived for latticing.

The advantage of this technique is that no calibration of the area is required if the conductivities of the propagation path are known  $\alpha$  priori.

The corrected lattice produced by this technique should be identical to the lattice produced by method 1.

### 3. ON-LINE MODEL

On-line or direct computation of ASF from a conductivity map would be the initial step of method 2 and would require a number of fairly intricate computations. These computations would be sufficiently difficult to slow down the lattice plotting program or position fixing program and would provide no advantage over the simple corrections resulting from methods 1 or 2.

### THIRD GUIDANCE OPTION

The jargon used in the section heading presupposes two other guidance methods. These methods depend on vision and radar as sensors. Loran-C is an obvious third choice as a sensor for positioning ships at the approaches to B.C. ports.

It has been demonstrated that the West Canadian Chain does not provide adequate coverage in Dixon Entrance or in Juan de Fuca and Georgia Straits. Also, the calibration in Caamano Sound showed that even if predictive models were made to fit local conditions the increase in accuracy would not surmount the inaccuracies caused by mediocre line of position geometry. In Douglas Channel signal strengths from the Y secondary are, at times, insufficient to allow reliable third cycle identification or tracking by a commercial receiver. The problems described above might be solved if a third secondary transmitter were to be established on northern Vancouver Island. However, temporal variations in the pattern would be a

problem, as the coverage for the coast would still be controlled using observations at one monitor station. Temporal changes at the monitor site, one hundred and fifty kilometres away at Alert Bay will not reflect changes accurately enough for precise inshore navigation in Douglas Channel.

Although the main Loran-C Chain may not be useful in the fiords, it may be possible to provide positioning using a mini-Loran-C Chain (Accufix) to cover a smaller area. Experience exists in Canada, both in the Canadian Coast Guard, the CHS and in private industry in the use of mini-Loran-C Chains. The use of the Loran-C format for inshore positioning has the advantage that ordinary commercial receivers can be used. It is to be hoped all ships using B.C. ports will be fitted with Loran-C receivers. Most commmercial receivers have a resolution of 0.1 µsec. This limitation restrains the potential accuracy of positioning from a mini-Loran-C Chain to ± 30 metres (See Figure 13). From the traffic management viewpoint, Loran-C coordinates can be automatically retransmitted to the control centre by V.H.F. link. As the chain is dedicated to cover only a small area, a well placed monitor receiver can effectively remove most temporal variations in the T.D.'s. The St. Mary's River Chain, covering the passage between Lake Superior and the Lower Lakes, is controlled to within 0.015 usec. 3 It is hoped that the St. Mary's River Chain will yield accuracies of better than ± 20 m but special receiver equipment, data filtering and real time grid calibration are required to reach this low limit.

Disadvantages exist in using a mini-Loran-C to provide precise positioning in archipelagos and in fiords. There are large and frequent changes in surface conductivity along the line of propagation. The phase lags inherent in these conductivity changes cannot be corrected with sufficient accuracy by applying a constant calibration correction to the emission delays at each secondary transmitter. Phase lags can be predicted over lines 200 km in length with an accuracy of 1:10,000 (of length of line). However, this sort of accuracy was achieved over uniform salt water paths. Predictions over more complicated paths have not been as successful. So to obtain accuracies of about ± 30 m from a mini-Loran-C chain operating over islands and narrow inshore passages a detailed calibration would be required. Phase lags for the hypothetical chain shown in Figure 13 are estimated for X transmission to range from 0.58 to 1.48 µsecs.

Transmitter site selection poses another problem in rugged, densely wooded terrain. Considerable clearing would be needed, even if flat, dry land was to be found. Large clear transmitter sites are required if 100 m antenna towers are used. Relatively powerful transmitters may be required if reliable operation is to be obtained in the rugged terrain where excessive signal attenuation and pulse distortion will be problems (see Figure 14). In any case, sufficient transmitted power must be available in all coverage areas to ensure 100% pulse tracking reliability and 99% cycle identification reliability. The selection of a rate (group repetition interval, (G.R.I.) for a mini-chain is difficult. Cross rate interference has to be minimized. The rate selected can be low, but the West Canadian Chain has a relatively low rate. Cross rate interference from mini-Loran-C chains would also be decreased if the West Canadian Chain were to be given an increased rate. The rate of the West Canadian Chain could be increased to allow for new secondaries to be deployed. The two new secondaries

would be sited on north Vancouver Island and, as originally planned, in the interior to provide extended coverage in the northern states, and in Alberta and B.C.

Other medium range positioning systems such as Hi-fix have been applied to port approach operations. They can in some cases provide greater accuracy than a mini-Loran-C chain but require special receivers. Also these systems suffer from the same environmental weaknesses as Loran-C.

Position accuracy requirements for port approaches can be defined by several variables. Traffic density, channel width, radius of turns in the channel, size and handling characteristics of the ship can be included in the definition. The Termpol Assessment of the Kitimat, B.C. Marine Oil Terminal Proposal has found that turns in the channels are acceptable within the Termpol code for tanker traffic. Speeds relative to various channel widths have been recommended. The effect of a positioning error of  $\pm$  30 m, on a decision as to when to start a turning manoeuvre is small in comparison with other unknowns, currents and wind, that will be met with during the turn. Velocities derived from positions in error by  $\pm$  30 m could be stated with confidence if measured over distances exceeding 2000 m. Traffic density in the area is low. Equivalent position discrimination is given by a radar with 0.50 horizontal total beam width, a range of 24 kms and by two electronic positioning receivers with an accuracy of  $\pm$  50 m.

If positioning with accuracies better than ± 20 m is required then short range systems can be applied to solve the problem. This type of positioning system is used widely in hydrography and resource exploration. Most of these systems operate at microwave frequencies and are limited to line of sight use. They define position by the intersection of two ranges from small transponders, placed ashore. A transceiver and display unit is required on the ship. The physiography of B.C. inshore waters does not lend itself to range/range microwave positioning. To provide coverage in Principe Channel, Caamano Sound and Douglas Channel many transponder sites would be needed. It is estimated, from hydrographic sonar sweep work in 1977, that approximately 30 individual chains would be necessary.

However, more economical and accurate positions can be obtained from a range bearing geometry. This geometric configuration is well suited to the fiords and channels of the B.C. Coast. Artemis is one of the new available range/bearing positioning systems. It provides great accuracy, ± 1.5 m in range and ± 2 minutes in arc. 6 This system has been used by the Swedish Hydrographic Office, but has not been applied to commercial ship guidance. 7 At a range of 18 km it will give a position accurate to ± 12 m. The system has a maximum range of 30 km. To cover Principe Channel, Caamano Sound and Douglas Channel about 10 shore transmitters would be required. Although this system is expensive (\$100,000 for one chain) it is very accurate and could be used as control for docking operations. Disadvantages of Artemis for ship guidance are: mechanical tracking antennae; high cost; lack of North American operational experience; 5 minute warm-up time when changing from one shore transmitter to another; and, possible interference from other transponders in overlapping coverage areas or interference from radar.

In the future integrated systems will be available for inshore ship guidance. Match-Nav is under development for the U.S. Navy. 10 It is a radar based system, featuring the display of a digitized chart on a Plan Position Indicator together with radar sensed data. Loran-C positioning may be integrated into this system. This system matches chart outlines to radar sensed coastlines, etc. The CHS may soon find a potential market for digitized data.

Another positioning system is being considered by the Saint Lawrence Seaway Development Operations at Messina, New York. 11 Precise Radar Aid to Navigation System (PRANS) operates in the X-band using a dedicated radar and small computer. The computer is used for coordinate transformation and to produce velocity, distance to way-point and course line offset information.

### CONCLUSIONS

- 1. Empirically based algorithms can be produced that allow Loran-C coordinate transformation within accuracies inherent in the Loran-C system. This transformation allows the use of Loran-C inshore where the system has been calibrated. These algoritms can be applied to chart latticing, and include spatial propagation effects.
- 2. To aid the mariner in verifying the correctness of Loran-C cycle identification, lattices should be drawn into the charted coastline.
- 3. Present Loran-C coverage is inadequate in Dixon Entrance. The West Canadian Chain is not reliable in this area, and the Gulf of Alaska master transmission has been observed to have a very weak ground wave. As presently configured, the West Canadian Loran-C Chain does not provide adequate coverage to the Triple Island pilot station, although it is adequate offshore at the approaches to Cape St. James and in Hecate Strait. Cycle selection capabilities are not as good as those given by the east coast chain.<sup>2</sup> This capability may improve marginally if the pulse shapes are changed when the chain is commissioned.
- 4. The main West Canadian Loran-C Chain cannot be considered as a third guidance option for positioning in the fiords and among the islands along the coast. A mini-Loran-C Chain could provide positioning for port approaches with an accuracy of ± 30 m. Mini-Loran-C transmissions can be used by commercial receivers if either; 1) the mini-chain's rate is set to a standard GRI or 2) the receivers have digital (not coded) rate selection.
- 5. Accuracies of ± 50 m are probably sufficient for the third guidance option. If better accuracies are required a wide selection of positioning systems is available. All require special receivers that must be either brought on board by the pilot or put in a ship dedicated to the route where the system is used.

Calculated and Observed line Differences

$\odot$	$\prec$	75	. 76	0.746	. 76	. 82	. 79	.82	. 79	.03	.82	.00	.87	.86	.86	. 79	.85	.80
Calc -	×	4.009	.3	4.385		3	2	~	2	~	~	٠,	·	~	· ·	, (L)	(,)	· ·
served	×	422.3	421.7		420.3	419.3	417.3	416.6	416.3	415.9	415.6	414.9	414.1	416.3	417.3	419.4	420.3	421.4
qo	×	2757.26	2746.23		2720.95	2707.09	2680.42	2574.06	2670.96	2667.69	2664.50	2658.07	2651.60	2641.08	2637.45	2630.27	2626.60	2622.97
culated		30423.12	30422.54	30422.186	30421.08	30420.14	30418.11	30417.45	36417.12	30416.77	30416.44	30415.75	30415.06	30417.23	30418.22	36420.21	30421.21	30422.2
Cal		2761.26	2750.61		2725.34	2711.38	2684.70	2678.38	2675.21	2672.04	2668.85	2662.43	2655.99	2645.44	2641.83	2634.57	2630.94	2627.29
Time. Day		940.18	946.18	1950.183	000.18	008.18	024.18	028.18	030.18	032.18	034.18	038.18	042.18	048.18	050.18	054.18	056.18	058.18

Table

Calculated and Observed Time Differences

	>	~	.06		.32	.31	0.316	.32	.30	.37	.41	.32	.35	.33	.35	.38	.37	.43	.40	.43	.45	.50	.51	.45	.49	.51	. 52	
Calc -		96	0.0	. 98	.9	.01	3.973	.19	.10	.00	.02	99	.01	.90	.05	.10	. 16	. 24	. 15	.33	.34	.48	.45	.35	. 42	.50	. 32	
served	X	0446.67	0447.73	0447.84	0448.23	0449.00	30449.340	0449.75	0450.34	0450.63	0450.86	0451.20	0451.95	0452.21	0452.45	0452.68	0452.91	0453.13	1453.39	0453.60	0453.83	0454.06	1454.31	0454.66	1454.93	1455.25	1455.56	
OF	×	2639.280	2645.960	2649.310	2652.685	2659.520	.050	2666.610	2673.670	2677.230	2680.710	2684.330	2694.870	2698.360	2701.790	2705.290	2708.790	2712.250	2715.700	2719.170	2722.710	2726.280	2729.750	2733.250	2736.770	2740.370	2744.020	
culated	×	0447.02	0447.79	0448.17	0448.55	0449.31	30449.656	0450.07	0450.72	0451.00	0451.27	0451.52	0452.30	0452.54	0452.80	0453.06	0453.28	0453.56	0453.79	0454.03	0454.28	0454.56	0454.82	0455.11	0455.42	0455.76	04 56.08	
Calc		2643.24	2650.01	2653.29	2656,63	2663.53		26 70 . 80	2677.77	2681.23	2684.73	2688.32	2698.88	2702.26	2705.84	2709.39	2712.95	2716.49	2719.85	2723.50	2727.05	2730.76	2734.20	2737.60	2741.19	2744.87	2748.34	
Tine. Day		20.18	24.18	26.18	28.18	32, 18	134.184	36.18	40.18	42.18	44.18	46.18	52.18	54.18	56.18	58.18	00.18	02.18	04.18	06.18	08.18	10.18	12.18	14.18	16.18	18.18	20.18	

Table 1. (Continued).

	+B10(X1)[(X2)+2]	3.000
ON	+E2(X2)+	(Bi)=
AR REGRESSION	Y=B0+B1(X1)+E2(X2)+	parameters
MULTIPLE LINEAR	model is	of Model
MULI	Tine	NO.

					MS		0.0	
					DF	000	2.000	
4.22479	0.03043	0.24091		-0.00579	C	700 278	951 327	0.86245
.k, Y 30438.54895	281.06190	latrix 0.36125 1.00000	AlAk -0.55659	BOBk 0.00205	S 0 0 0 1	767.502	00	Correlation 58
Means: X1Xk,Y 12687.85988 304	Variances 1413.00500	Correlation M 1.00000 0.36125	Coefficients 0.44198	Coefficients 154.48203	ANOVA	rotal Mean Corrected	Regression Residual	Multiple Corr F Ratio

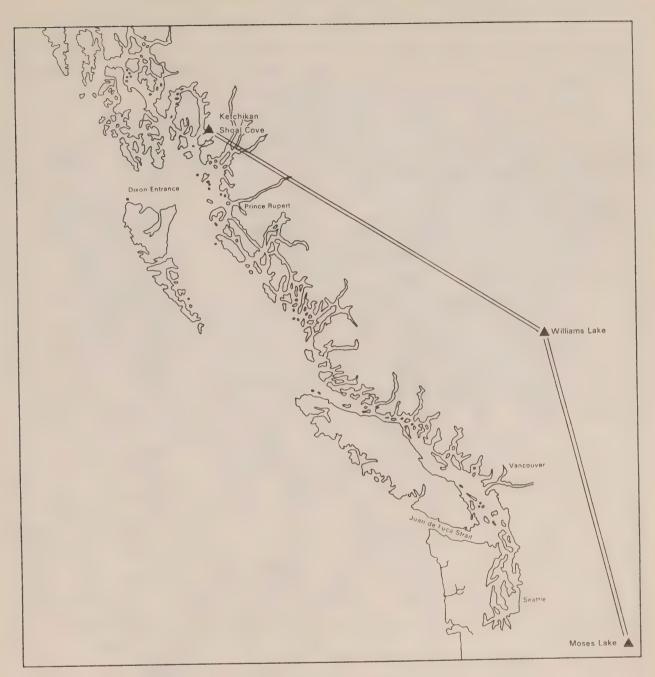
Table 2. Caamano Sound Pattern 1.

						<b>V</b>	2	0.620	
)(X1)[(X2)*2] 3.000						Ľ.	43.000	42.000 2.000 40.000	
MULTIPLE LINEAR REGRESSION The model is $Y=B0+B1(X1)+B2(X2)+\ldots+B10(X1)[(X2)^2]$ No. of Model parameters (Bi)=	0.55584	0.05016	-0.12371		-0.01321	v	.392	2.107 1.241 0.866	0.76751 28.671
EAR REGRESSI Y=B0+B1(X1) . parameters	Xk, Y 30438.54895	281.06190	Matrix 0.36125 1.00000	AlAk -0.98893	BOBK	v			Correlation
MULTIPLE LIN The model is No. of Model	Means: X1Xk, 12687.85988 30	Variances 1413.00500	Correlation Mar. 1.00000 0.36125	Coefficients 0.23354	Coefficients 385.02022	ANOVA	Total	Corrected Regression Residual	Multiple Cor F Ratio

Caamano Sound Pattern 2. Table 3.

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WEST CANADIAN LORAN-C CHAIN

Figure 1

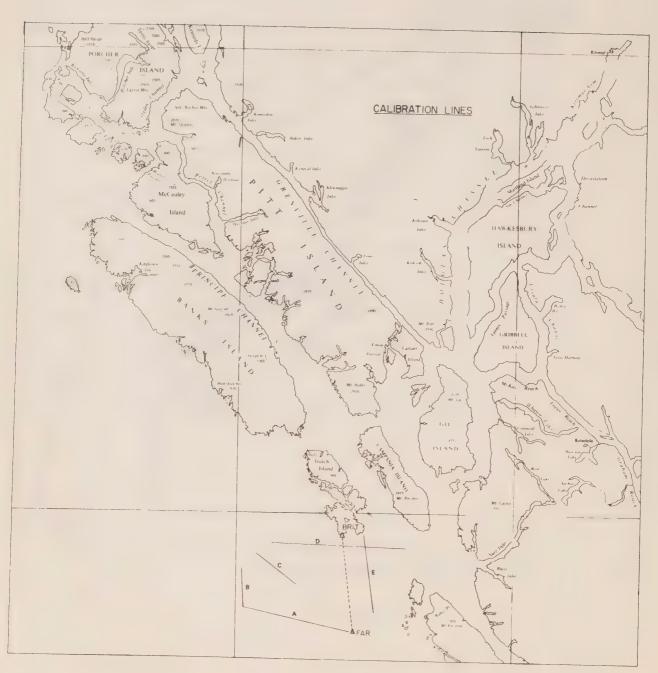
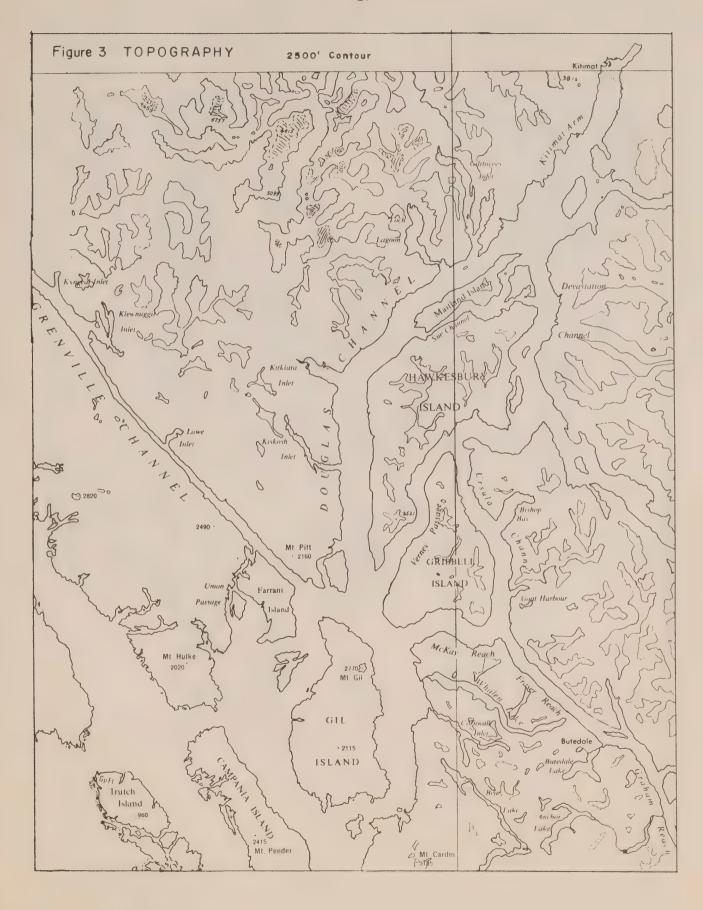


Figure 2



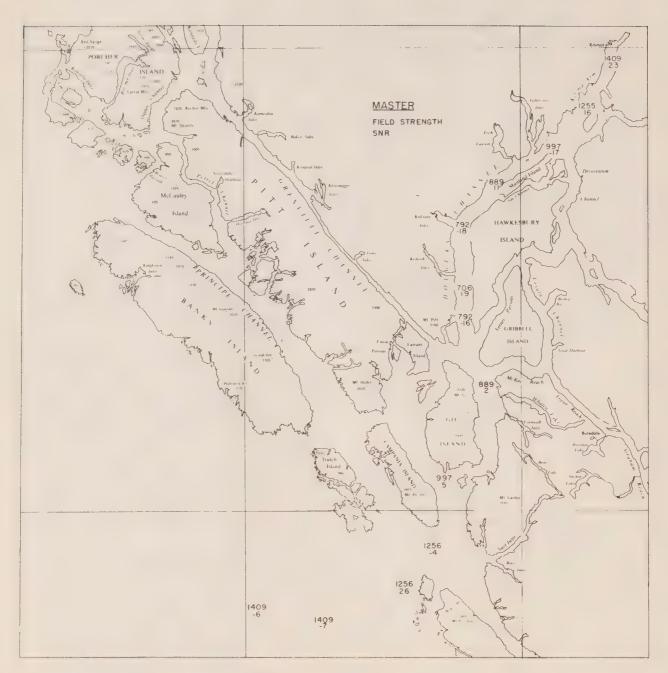


Figure 4

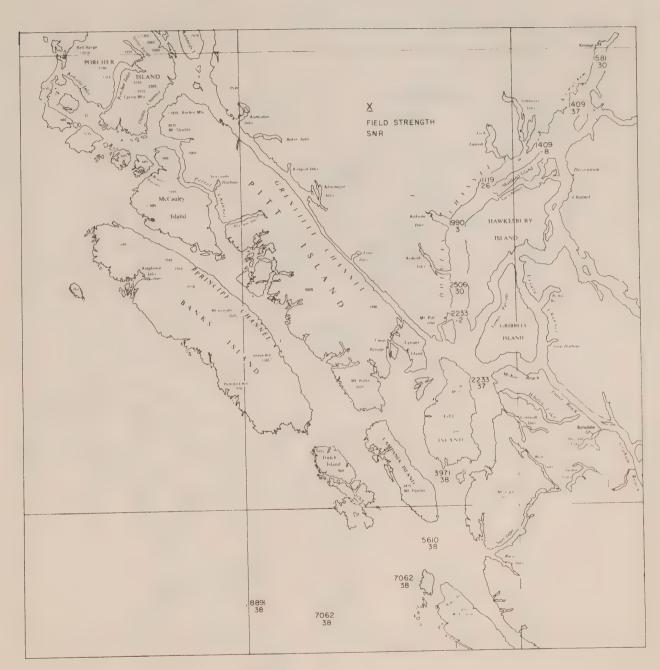


Figure 5

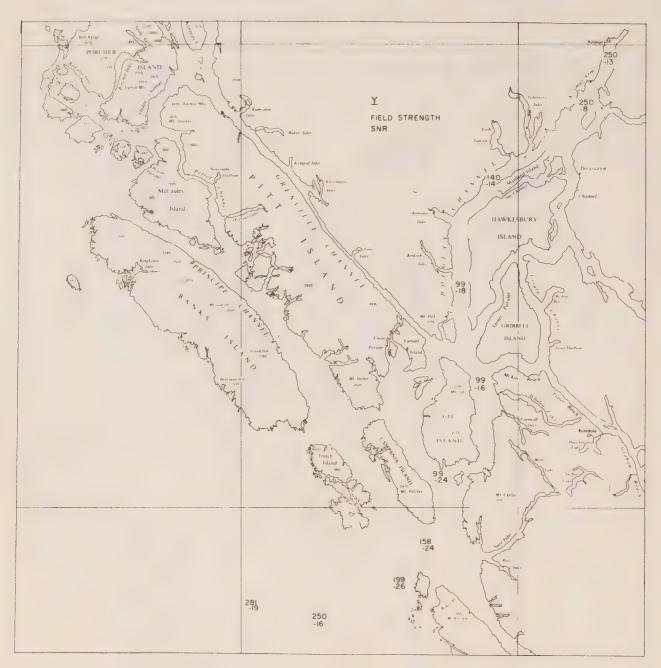


Figure 6

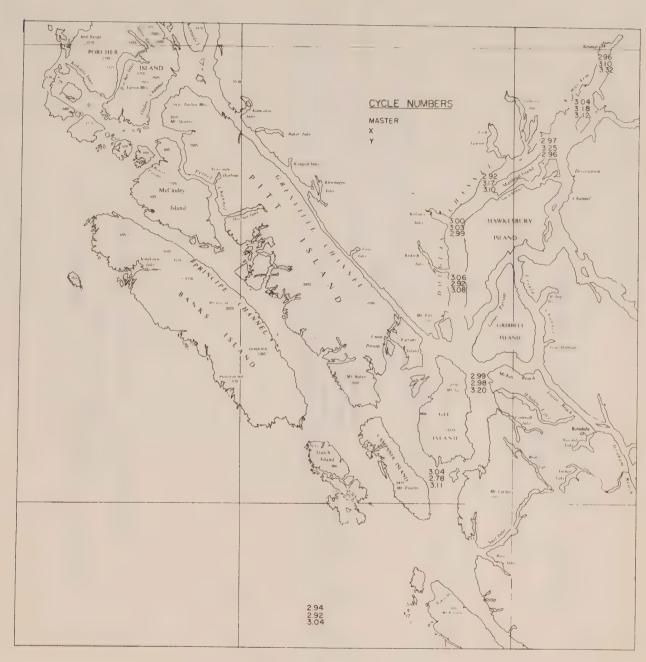
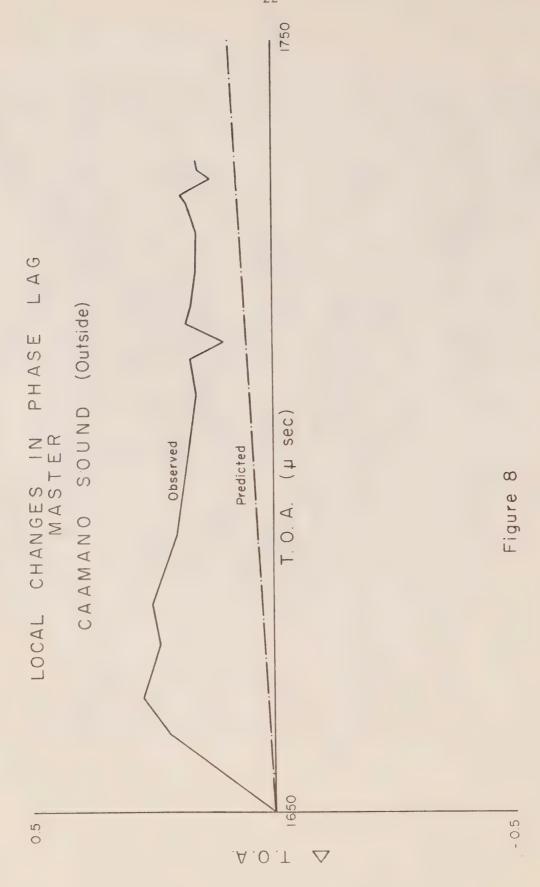
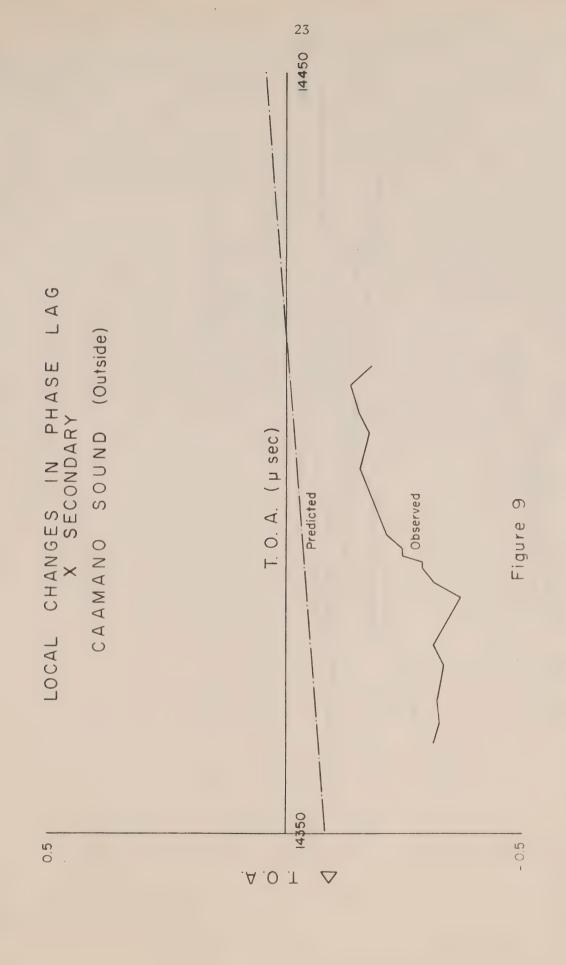
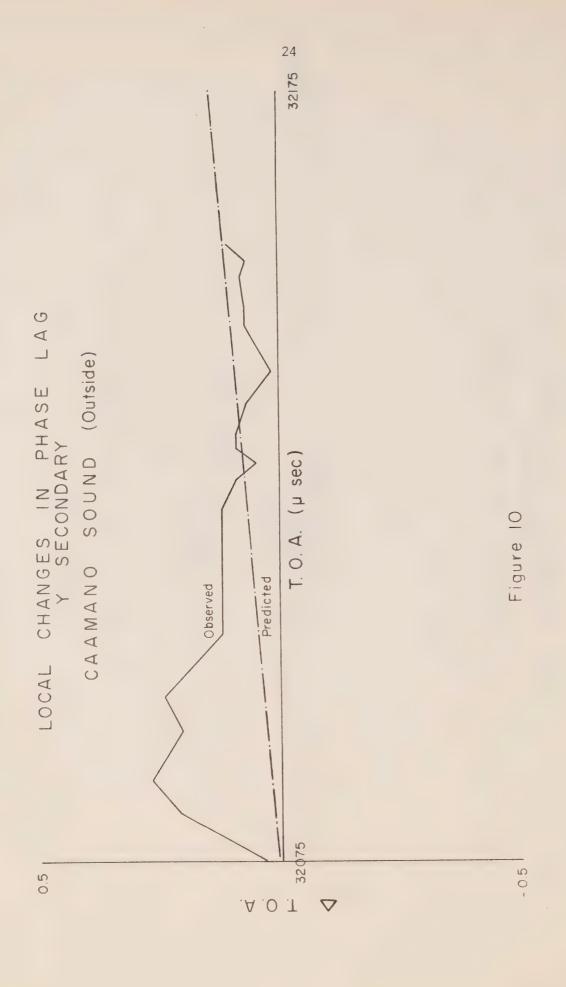


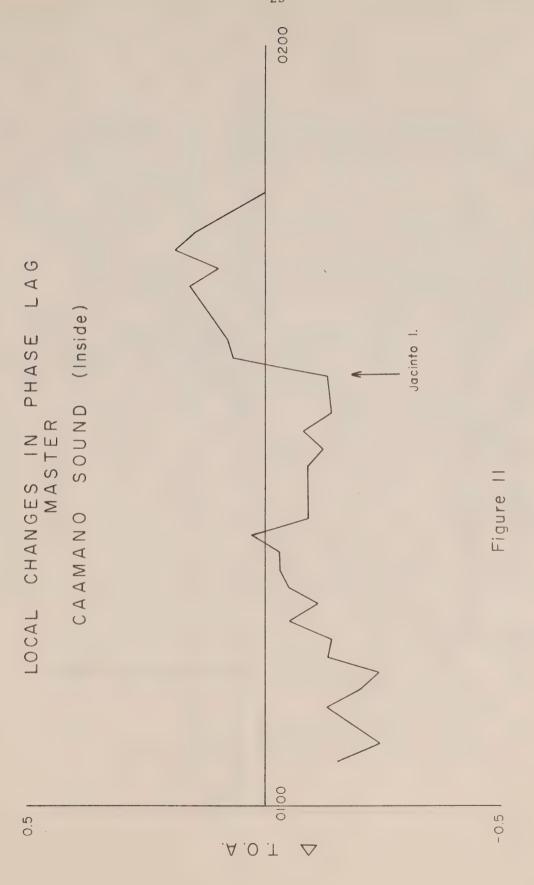
Figure 7

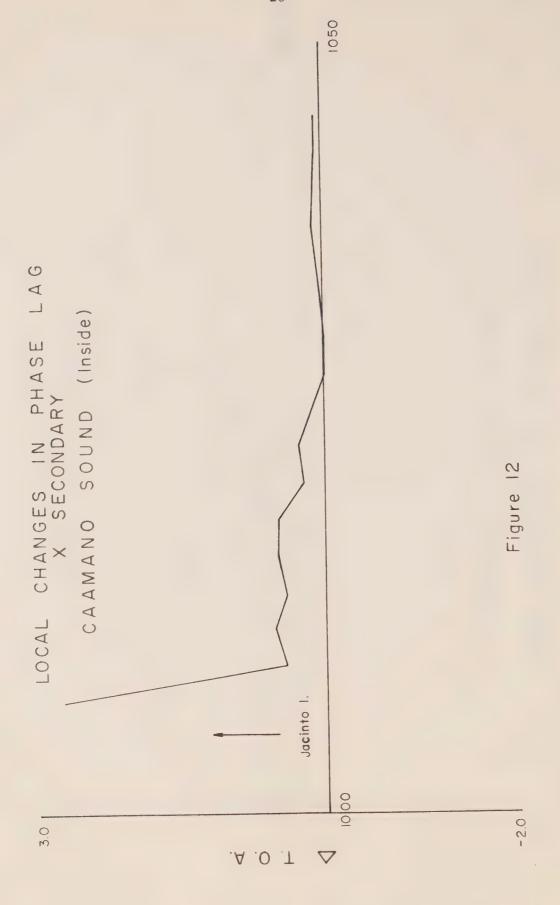












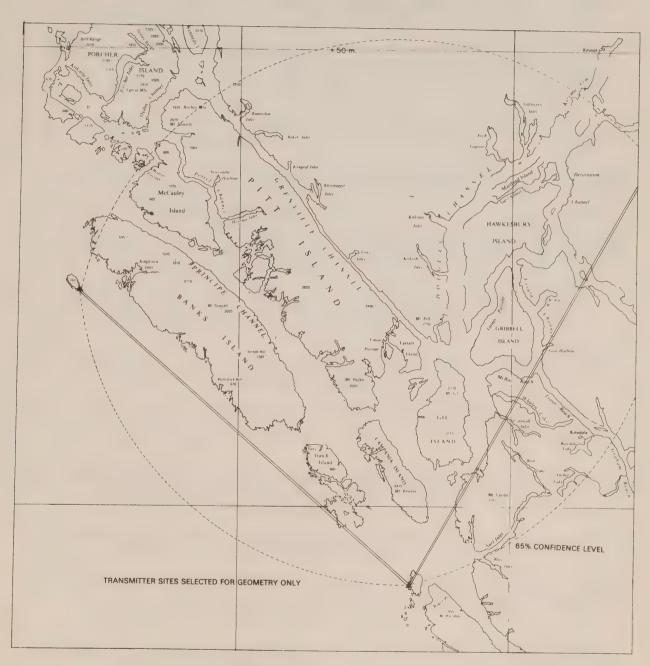


Figure 13

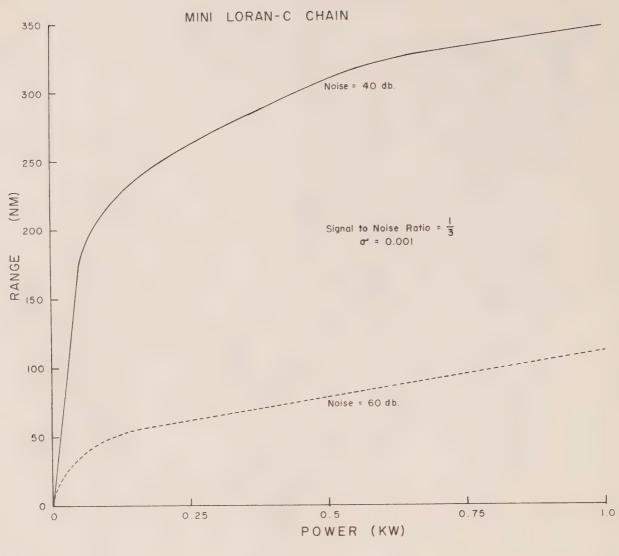


Figure 14

#### REFERENCES

- 1. Jansky and Bailey, 1962. The Loran-C Systems of Navigation. Prepared the United States Coast Guard, Washington. pp. 1 164.
- Mortimer, A., R.M. Eaton and D. Gray, 1977. A Loran-C Calibration, the West Canadian Chain, Cycle Identification Tests. Canadian Hydrographic Service Internal report. Victoria, British Columbia. (In preparation.)
- 3. Scheming, E., 1977. Canadian Coast Guard Telecommunications, Ottawa.
  Personal Communication.
- 4. Stoltz, J.R., 1976. A Loran-C Precision Guidance System. Proceedings of the 8th Annual Offshore Technology Conference, Houston, Texas. pp 280 285.
- 5. Brunavs, P. and D.E. Wells, 1971. Accurate Phase Lag Measurement Over Seawater Using Decca Lambda. Atlantic Oceanographic Laboratories, Dartmouth, Nova Scotia. pp. 1 29.
- 6. Marshall, R., G. Macdonald and R. Bryant, 1977. Coastal Survey in Africa using Loran-C. Lighthouse #15, Burlington, Ontario. pp. 3 8.
- 7. Munson, R.C., 1977. Positioning Systems. A paper presented at the XV International Congress of Surveyors, Stockholm, Sweden. pp. 1 33.
- 8. Canada Dept. of Transport, Coast Guard, 1977. Termpol Assessemnt of the Kitimat, B.C. Marine Oil Terminal Proposal. Technical Paper 851. Ottawa, Ontario. pp. 1-54.
- 9. Griffiths, P.F.C., 1976. Technological Considerations in the Design of Future U.K. Harbour Systems. Proceedings of an International Marine Traffic Symposium, The Hague, Netherlands. pp. 80 107.
- 10. Feldman, S., 1976. Inshore Navigation Systems Conceptual Advances. Navigation, Vol. 23, No. 1, Washington, D.C. pp. 59 63.
- 11. Spriggs, W.S., 1976. Saint Lawrence Seaway Traffic Management Requirements. Proceedings of an International Marine Traffic Symposium, The Hague, Netherlands. pp. 41 63.
- 12. Pearce, D.C. and J.W. Walker, 1973. The Behaviour of Loran-C Ground Waves in Mountainous Terrain. Conference on Electromagnetic Wave Propagation Involving Irregular Surfaces and Homogeneous Media. Edinburgh, Scotland. pp. 29-1 29-9.







CAI EP321 -77R20

# OCEANOGRAPHIC DATA CROZIER AND PULLEN STRAITS, N.W.T.

March - April 1977

by

Frozen Sea Research Group



INSTITUTE OF OCEAN SCIENCES, PATRICIA BAY Sidney, B.C.

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# OCEANOGRAPHIC DATA CROZIER AND PULLEN STRAITS, N.W.T. MARCH - APRIL 1977

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Institute of Ocean Sciences, Patricia Bay Sidney, B.C.

November 1977

This is a manuscript which has received only limited circulation. On citing this report in a bibliography, the title should be followed by the words "UNPUBLISHED MANUSCRIPT" which is in accordance with accepted bibliographic custom.

#### ABSTRACT

This report contains in situ readings of conductivity, temperature and pressure from the waters of Crozier and Pullen Straits. The data were collected during March and April of 1977. Also included are the calculated values of salinity, specific gravity anomaly and velocity of sound.



#### 1. Data Recording

Conductivity (C), temperature (T) and pressure (D) measurements were taken with a Guildline Model 8101A CTD unit in conjunction with the installation of 21 recording current meters in Crozier and Pullen Straits. The accuracy of the conductivity measurement is monitored periodically by taking water samples with oceanographic bottles. These water samples were measured for salinity with a Hytech model 6220 calibrated with Standard Sea Water. Thermistors used to calibrate temperature were transfer standards calibrated in a triple point cell. Values obtained from the bench salinometer and thermistors were compared with the CTD values obtained coincidently and temperature and salinity corrections were determined. Corrections for both parameters were to three decimal places and agreed very well with past corrections for the same instrument.

The principal recording system for output of the Guildline CTD instrument was a Vidar 5200 data logger with printed and punched paper tape output.

#### 2. Data Processing - Equations

The values of pressure and temperature listed were measured directly.

The listed values of salinity, sigmat and sound velocity are calculated from equations found in the following references.

#### (a) Salinity

Perkin, R. G. and E. R. Walker, 1972. Salinity Calculations from In Situ Measurements. J. Geophys. Res., 77(33): p. 6618.

#### (b) Sigmat (specific gravity anomaly).

Cox, R. A., J. J. McCartney and F. Culkin, 1970. The Specific Gravity/Salinity/Temperature Relationship in Natural Sea Water. Deep-Sea Res., 17(14): p.679.

#### (c) Sound Velocity

Wilson, W. D. 1960. Speed of Sound in Sea Water as a Function of Temperature, Pressure and Salinity. J. Acoustical Soc. Amer., 32(6): p. 5.

#### (d) Insitu Freezing Point (plot only)

Fujino, K., E. L. Lewis and R. G. Perkin, 1974. The Freezing Point of Seawater at Pressures up to 100 Bars. J. Geophysical Res., 79 (12) p. 1792.

#### 3. Data Format

Cruise: Cruise number assigned by the Marine Environmental Data Service (M.E.D.S.)

Title: Geographic location by name and year.

Site: Name for a specific site at the location shown on the map and table of geographic positions.

Experiment No.: Each CTD drop was assigned a unique experiment number.

Lat.: Latitude of experimental site, DD-MM-SS

Long.: Longitude of experimental site, DD-MM-SS

Date: DD MM YY (day, month, year)

G.M.T.: Greenwich Mean Time, HH-MM (hour, minutes).
Local time is G.M.T. plus 6 hours.

<u>U.T.M.</u>: The Universal Transverse Mercator Grid co-ordinates are given for the zone stated.

Depth Incr. Vertical increment in meters between sequential readings.

Water Depth: Depth in meters as determined by depth sounder.

Depth: Corresponds to depth of the CTD transducers below water level as indicated by the length of submerged CTD cable.

Press: Pressure in decibars as read by the CTD pressure transducer.

Temp.: Temperature in degrees celsius (°C).

Cond .: Conductivity in mmho.

Sal.: Salinity in parts per thousand (°/00).

Sigmat: Specific gravity anomaly, sigma-T. Density =  $1 + 10^3$  (sigma-T) at atmospheric pressure.

Sound: Speed of propagation of sound in water in meters per second.

#### 4. Accuracy and Resolution

	Accuracy	Resolution			
Salinity	± 0.01°/	± 0.004 °/			
Temperature	± 0.005°C	± 0.002 °C			
Pressure	± 2%	± 0.1 decibars			

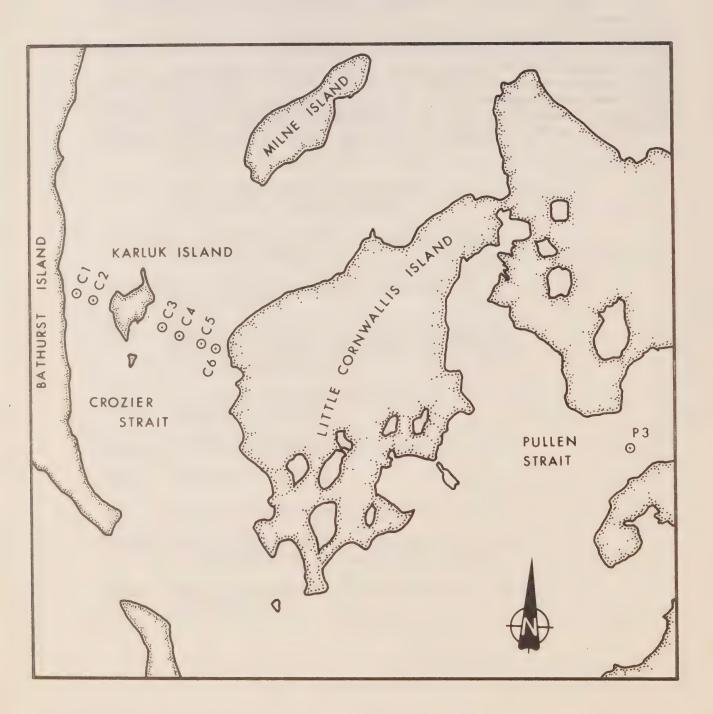
#### 5. Geographical Location

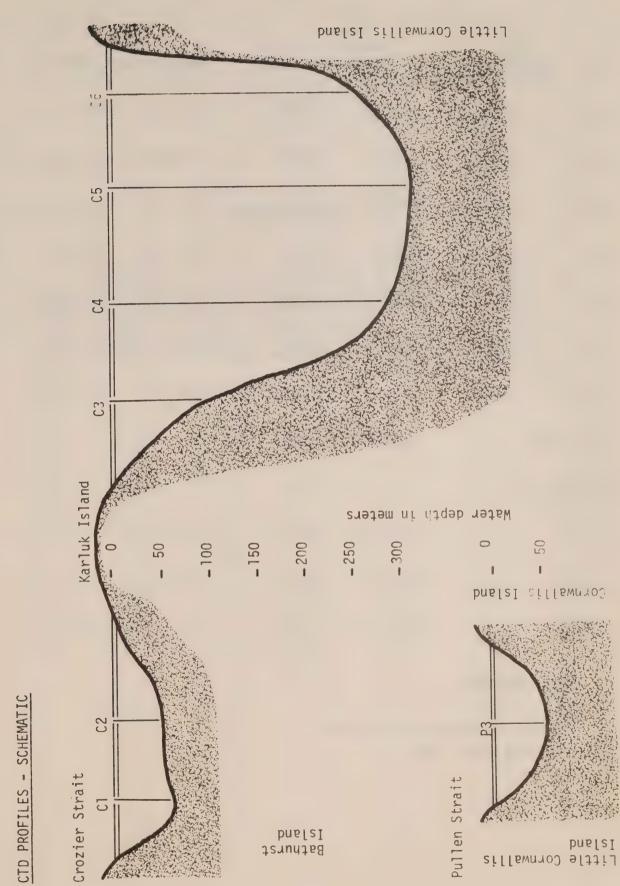
The latitude and longitude quoted where derived from map positions plotted from Universal Transverse Mercator Grid (U.T.M.) data. The U.T.M. co-ordinates are determined by measuring the distance to Geodetic measurements using a Del Norte Range/Range system. For Crozier Strait monuments 62-A-72 and 62-A-73 on Karluk Island were used. For Pullen Strait monument 62-A-181 on the east side of Little Cornwallis Island was used together with an arbitrary location on Marshall Peninsula. The latter location was fixed by triangulation using a sextant. The actual site on the Peninsula is marked by a metal stake and small tripod.

# CROZIER AND PULLEN STRAITS

CTD Profile Sites

From: National Topographic Map Scale: 1:250,000 "McDougal Sound" 68H





CTD Zone 14					Canadinates
Site	Exper. No.	U.T.M. Coo		Geographical	
C(1)	3013	<u>N</u> . 8382966	<u>E</u> . 545396	<u>N</u> . 75°31'36"	<u>W</u> . 97°22'13"
C(2)	3014	8382613	546421	74°31'28"	97°19'47"
C(3)	3038	8381093	551025	75°30'30"	97°10'26"
C(4)	30 <b>37</b> 3031	8380531	552114	75°30'16"	97°08'01"
C(5)	3030	8379956	553636	75°29'58"	97°05'05"
C(6)	3015 to 3027	8379637	554472	75°29'49"	97°02'56"
P(3)	3039	8374755	581462	75°26'32:	96°05'53"
Tide Ga	auge	8381647	549982		
Geodeti	ic sites				
62-A-72	2	8381120.0	549021.1	75°30'37.10	97°14'40.79
62-A-7	3	8382936.0	550096.1	75°31'34.62	97°12'15.20
62-A-18	81	8377376.2	580036.7	75°27'58.15	96°08'32.87

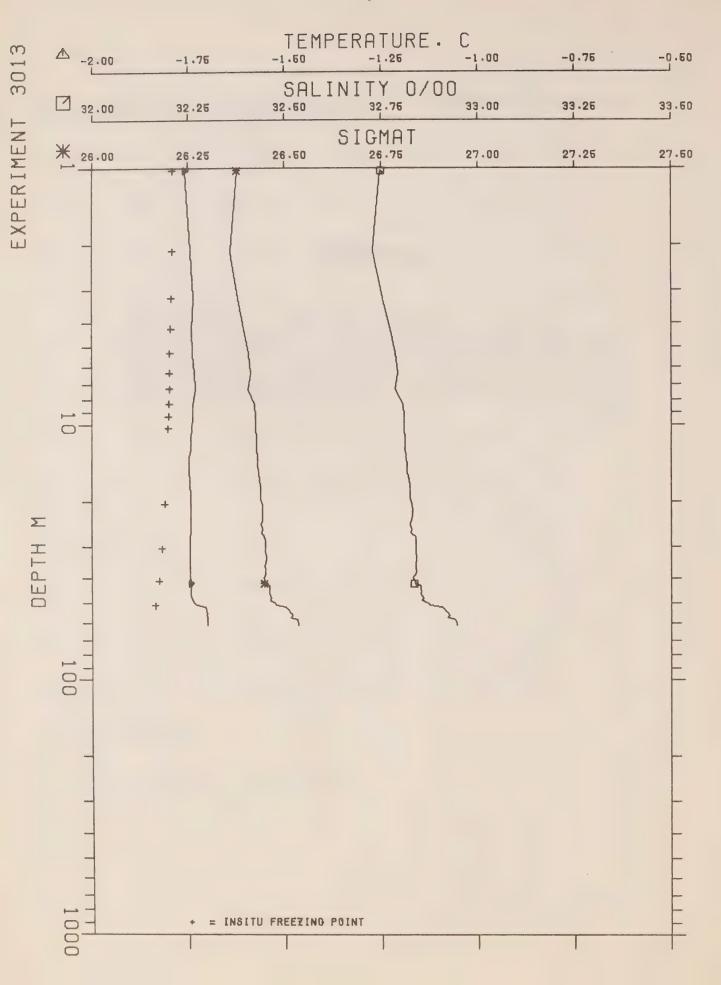
## Map References

National Topgraphic 1:250,000 map

"McDougal Sound" 68H

#### ACKNOWLEDGEMENT

The success in collecting this data is in large part due to the competence and perserverance of the technical staff of the Frozen Sea Research Group who often carried out their work under adverse Arctic conditions. Acknowledgement is also made of the logistic support of the Polar Continental Shelf Project at Resolute, N.W.T. and the major logistic support provided by the Polar Gas Project.

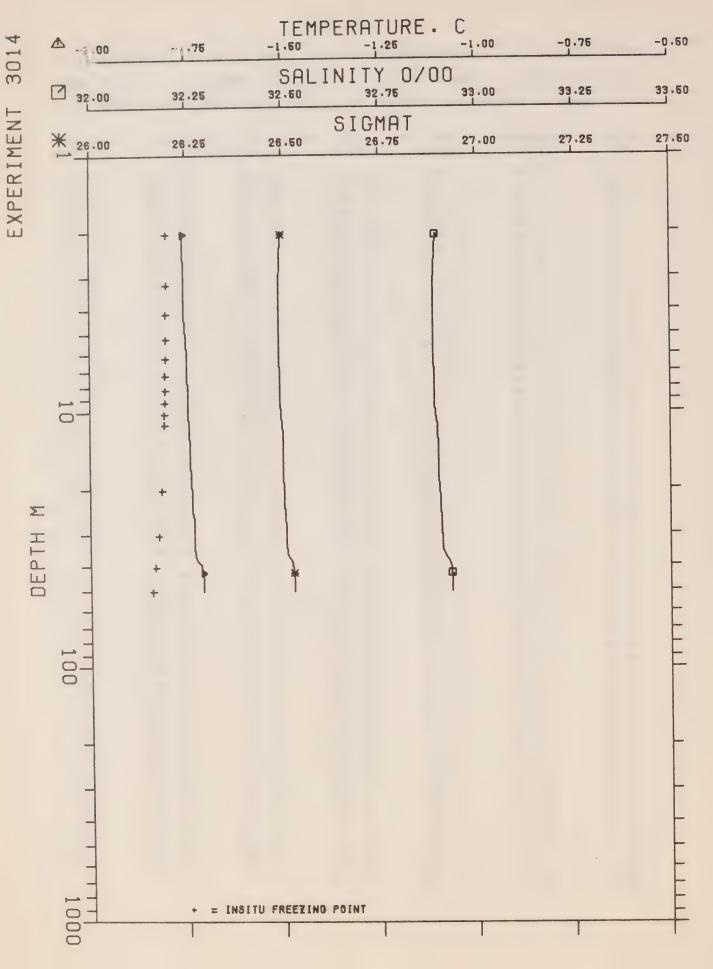


CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(1)M EXPERIMENT 3013

LAT.N. 75-31-36 LONG.W. 97-22-13 DATE 280377 G.M.T. 2230

U.T.M. ZONE 14 8383Ø36 N 545472 E DEPTH INCR 1.00 WATER DEPTH 62 M

DEPTH (M)	PRESSURE (DBARS)	TEMP	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
					06 077	
1.0	1.03	-1.757 -1.742	25.974 25.971	32.748 32.727	26.377 26.36Ø	1438.Ø 1438.Ø
3.0	3.24	-1.736	25.995	32.753	26.388	1438.1
4.9	4.27	-1.739	26.007	32.772	26.396	1438.1
5.Ø 6.Ø	5.3Ø 6.32	-1.737 -1.732	26.018 26.028	32.785 32.791	26.407 26.412	1438.2
7.0	7.31	-1.730	26.824	32.784	26.406	1438.2
8.0	8.36	-1.737	26.034	32.805	26.423	1438.3
9.Ø 10.Ø	9.33 10.38	-1.737 -1.740	26.036 26.035	32.8Ø7 32.8Ø9	26.425 26.426	1438.3
11.0	11.36	-1.742	26.035	32.810	26.427	1438.3
12.0	12.40	-1.742	26.035	32.809	26.426	1438.3
13.0	13.40	-1.747	26.034	32.813	26.429	1438.3
14.0	14.42	-1.747 -1.746	26.036 26.037	32.815 32.816	26.431 26.432	1438.3 1438.3
16.8	16.43	-1.745	26.042	32.821	26.436	1438.4
17.0	17.46	-1.744	26.044	32.822	26.437	1438.4
18.Ø 19.Ø	18.45 19.50	-1.742 -1.742	26.Ø47 26.Ø48	32.822 32.823	26.437 26.438	1438.4
20.0	20.49	-1.741	26.052	32.828	26.442	1438.5
21.8	21.53	-1.743	26.053	32.829	26.443	1438.5
22.0	22.51	-1.743	26.053	32.829	26.442	1438.5
23.0	23.54 24.54	-1.741 -1.743	26.054 26.050	32.828 32.823	26.441 26.438	1438.5
25.0	25.58	-1.743	26.053	32.828	26.442	1438.5
26.0	26.57	-1.744	26.051	32.826	26.440	1438.6
27.0	27.59 28.6ø	-1.744 -1.744	26.Ø59 26.Ø61	32.836 32.838	26.448 26.449	1438.6 1438.6
28.Ø 29.Ø	29.62	-1.744	26.061	32.838	26.449	1438.6
30.0	30.64	-1.744	26.062	32.839	26.450	1438.6
31.0	31.65	-1.744	26.063	32.839	26.450	1438.7
32.0	32.65 33.68	-1.745 -1.744	26.064	32.840	26.452	1438.7
34.8	34.64	-1.745	26.062	32.837	26.449	1438.7
35.0	35.72	-1.746	26.062	32.837	26.449	1438.7
36.Ø 37.Ø	36.68 37.71	-1.746 -1.745	26.Ø63 26.Ø65	32.838 32.839	26.450 26.451	1438.7 1438.7
38.0	38.73	-1.744	26.065	32.839	26.450	1438.8
39.0	39.73	-1.745	26.060	32.831	26.444	1438.8
40.0	40.80	-1.743	26.065	32.836	26.448 26.447	1438.8
41.0	41.75 42.81	-1.744 -1.743	26.064 26.076	32.835 32.85Ø	26.459	1438.9
43.0	43.78	-1.743	26.077	32.850	26.460	1438.9
44.0	44.81	-1.743	26.079	32.851	26.461	1438.9
45.Ø 46.Ø	45.84 46.82	-1.743 -1.742	26.079 26.081	32.851 32.853	26.460 26.462	1438.9
47.0	47.87	-1.748	26.086	32.857	26.465	1439.0
48.0	48.85	-1.737	26.086	32.854	26.462	1439.0
49.0	49.92	-1.733 -1.728	26.1Ø1 26.1Ø7	32.869 32.871	26.475 26.476	1439.Ø 1439.1
5Ø.Ø 51.Ø	5Ø.87 51.92	-1.728	26.150	32.905	26.503	1439.3
52.0	52.90	-1.702	26.158	32.913	26.510	1439.3
53.0	53.94	-1.702	26.162	32.917	26.513	1439.3
54.Ø 55.Ø	54.93 55.96	-1.7Ø1 -1.7Ø1	26.167 26.17Ø	32.922 32.926	26.517 26.520	1439.4
56.0	56.99	-1.700	26.167	32.920	26.516	1439.4
57.0	57.99	-1.700	26.182	32.940	26.532	1439.4
58.0	59.02	-1.700	26.184 26.186	32.942	26.533 26.535	1439.5
59.Ø 6Ø.Ø	59.97 60.78	-1.700 -1.699	20.100	02.544	20.000	1,00,10

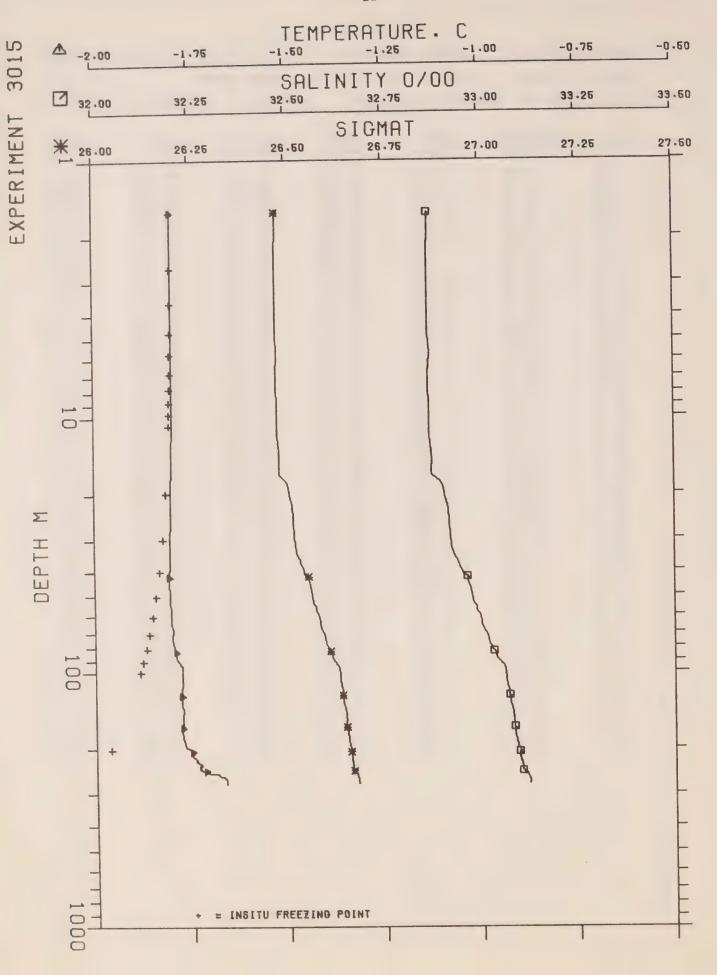


CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(2)M EXPERIMENT 3014

LAT.N. 75-31-28 LONG.W. 97-19-47 DATE 300377 G.M.T. 2130

U.T.M. ZONE 14 8382612 N 546421.3 E DEPTH INCR 1.88 WATER DEPTH 52 M

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)	0301171	(M/SEC)
2.0	2.05	-1.757	26.080	32.895	26.496	1438.2
3.0	3.23	-1.756	26.077	32.888	26.490	1438.2
4.0	4.21	-1.755	26.077	32.887	26.489	1438.2
5.8	5.26	-1.751	26.081	32.887	26.490	1438.3
6.Ø 7.Ø	5.24 7.27	-1.748 -1.746	26.Ø84 26.Ø87	32.887 32.89Ø	26.49Ø 26.492	1438.3
8.0	8.30	-1.746	26.088	32.890	26.492	1438.3
9.0	9.27	-1.746	26.088	32.890	26.492	1438.4
10.0	10.32	-1.745	26.092	32.893	26,494	1438.4
11.0	11.28	-1.744	26.096	32.897	26.497	1438.4
12.0	12.34	-1.742	26.099	32.899	26.499	1438.4
13.0	13.31	-1.740	26.182	32.899	26.499	1438.5
14.0	14.37	-1.748	26.103	32.900	26.500	1438.5
15.0	15.36	-1.739	26.184	32.900	26.500	1438.5
16.Ø 17.Ø	15.36 17.39	-1.739 -1.738	26.104 26.106	32.900 32.900	26.500 26.500	1438.5 1438.5
18.0	18.37	-1.738	26.107	32.901	26.501	1438.5
19.0	19.42	-1.737	26.109	32.902	26.502	1438.6
20.0	20.43	-1.736	26.111	32.903	26.583	1438.6
21.0	21.41	-1.736	26.112	32.904	26.503	1438.6
22.0	22.45	-1.736	26.112	32.904	26.503	1438.6
23.0	23.42	-1.735	26.113	32.904	26.503	1438.7
24.0	24.48	-1.735	26.114	32.905	26.504	1438.7
25.Ø 26.Ø	25.48 26.46	-1.733 -1.731	26.118 26.121	32.907 32.908	26.505 26.506	1438.7 1438.7
27.8	27.53	-1.731	26.121	32.908	26.506	1438.7
28.0	28.49	-1.731	26.122	32.908	26.506	1438.8
29.0	29.53	-1.731	26.122	32.908	26.507	1438.8
30.0	30.57	-1.730	26.124	32.910	26.508	1438.8
31.0	31.51	-1.730	26.125	32.910	26.508	1438.8
32.0	32.56	-1.73Ø	26.126	32.910	26.508	1438.8
33.0	33.52	-1.730	26.127 26.127	32.911 32.911	26.5Ø8 26.5Ø9	1438.9 1438.9
34.Ø 35.Ø	34.58 35.56	-1.73Ø -1.728	26.127	32.914	26.511	1438.9
36.0	36.60	-1.726	26.135	32.917	26.513	1438.9
37.0	37.58	-1.725	26.140	32.921	26.517	1439.0
38.0	38.59	-1.721	26.148	32.927	26.522	1439.0
39.Ø	39,60	-1.714	26.155	32.929	26.523	1439.1
40.0	40.61	-1.712	26.159	32.932	26.525	1439.1
41.0	41.64	-1.709	26.162	32.932	26.526	1439.1
42.0	42.60	-1.708	26.164	32.933 32.934	26.526 26.527	1439.1
43.0	43.67 44.62	-1.7Ø8 -1.7Ø7	26.165 26.167	32.934	26.527	1439.2
44.Ø	45.69	-1.707	26.167	32.934	26.527	1439.2
46.0	46.65	-1.707	26.168	32.935	26.527	1439.2
47.0	47.71	-1.707	26.168	32.934	26.527	1439.2
48.0	48.66	-1.707	26.168	32.934	26.527	1439.2
49.0	49.58	-1.707	26.168	32.934	26.527	1439.3
50.0	50.49	-1.707	26.170	32.936	26.528	1439.3



CRUISE 15-77-821 CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3815

LAT.N. 75-29-49 LONG.W. 97-82-56 DATE 838477 G.M.T. 2822

U.T.M. ZONE 14 8379694 N 554524 E DEPTH INCR 1.88 WATER DEPTH 271 M

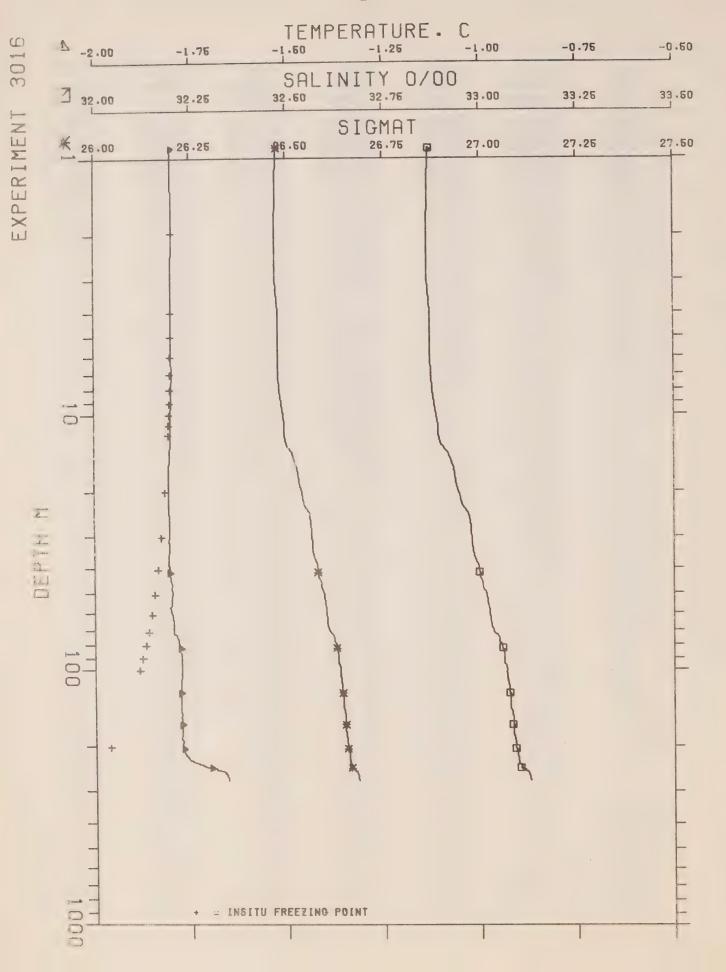
SALINITY DEPTH PRESSURE TEMP COND SIGMAT SOUND (DEG.C) (MMHO) (M/SEC) (0/00) (M) (DBARS) 32.867 26.474 1437.9 -1.798 26.027 1.62 -1.798 32.866 26.473 1438.0 26.027 3.0 2.68 26.027 26.027 26.030 1438.0 4.0 3.66 1438.0 5.0 4.76 1438.0 6.0 5.78 1438.2 6.84 7.8 1438.0 7.87 8.0 8.89 9.86 1Ø.91 1438.1 9.8 1438.1 10.0 1438.1 11.0 1438.1 11.94 12.8 12.91 13.96 15.00 15.97 1438.1 13.0 1438.1 14.0 1438.2 15.0 1438.2 16.0 15.97 17.00 18.03 19.07 20.06 21.05 22.10 23.11 24.09 25.12 1438.2 17.0 1438.2 18.0 1438.3 19.0 1438.3 20.0 1438.3 21.0 1438.3 22.8 1438.3 23.0 1438.4 24.8 1438.4 25.0 26.17 1438.4 26.17 27.12 28.16 29.21 38.21 31.19 32.23 33.25 34.22 26.0 1438.4 27.0 1438.4 28.8 1438.4 29.0 1438.5 30.0 1438.5 31.0 1438.5 32.0 1438.5 33.0 1438.5 34.0 1438.6 35.22 35.0 35.22 36.25 37.29 38.31 39.30 40.29 41.32 42.36 43.39 1438.6 36.8 1438.6 37.0 1438.6 38.0 1438.6 39.0 1438.7 40.0 1438.7 41.0 1438.7 42.8 1438.7 43.0 1438.7 44.36 44.0 44.36 45.36 46.39 47.43 48.43 49.42 50.43 51.49 52.49 53.47 1438.8 45.0 1438.8 46.2 1438.8 32.973 32.974 32.974 32.977 32.977 32.980 32.980 32.986 32.988 32.988 32.988 32.991 32.995 47.8 26.561 26.561 26.562 1438.8 48.0 1438.8 26.119 -1.805 49.8 1438.9 -1.805 -1.805 -1.805 26.12Ø 26.122 50.0 26.563 1438.9 51.0 1438.9 26.124 26.565 52.0 1438.9 26.566 53.0 -1.805 26.126 1438.9 -1.8Ø4 -1.8Ø4 -1.8Ø3 26.128 26.568 54.49 54.0 55.53 56.55 57.51 58.56 26.571 1439.0 26.132 55.0 1439.0 26.134 26.573 56.0 32.989 32.991 32.995 32.997 26.573 1439.0 -1.803 26.134 57.0 26.137 26.14Ø 1439.0 26.575 58.0 -1.803 26.578 1439.1 -1.803 -1.802 -1.802 59.62 60.63 61.58 59.0 26.143 26.580 1439.1 60.0 -1.802 26.144 32.999 -1.802 26.146 33.000 -1.802 26.147 33.000 26.581 1439.1 61.0 26.582 1439.1 62.61 62.0 26.583 1439.1 63.66 63.0

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (0/00)	SIGMAT	SOUND (M/SEC)
- 1 ~	64.64	-1.801	26.148	33.001	26.583	1439.2
64.8	65.63	-1.801	26.149	33.001	26.583	1439.2
65.Ø	66.68	-1.800	26.151	33.002	26.584	1439.2
67.0	67.67	-1.799	26.154	33.004	26.586	1439.2
68.0	68.66	-1.797	26.157	33.007	26.588	1439.2
69.0	69.71	-1.797	26.160	33.010	26.591	1439.3
70.0	70.74	-1.799	26.160	33.013	26.592	1439.3
71.0	71.70	-1.800	26.161	33.Ø14 33.Ø15	26.594	1439.3
72.0	72.74	-1.800	26.163 26.164	33.015	26.596	1439.3
73.8	73.77 74.76	-1.800 -1.800	26.165	33.017	26.596	1439.3
74.Ø 75.Ø	75.77		26.168	33.018	26.597	1439.4
76.0	76.82	-1.798	26.169	33.019	26.598	1439.4
77.0	77.80	-1./9/	26.171	33.020	26.598	1439.4
78.0	78.80	-1.796	26.174	33.022	26.600	1439.4
79.0	79.85	-1.794 -1.794	26.177 26.178	33.024	26.602	1439.5
80.0	80.84	-1.794	26.178	33.025	26.603	1439.5
81.0	81.84	-1.794	26.18Ø 26.186	33.Ø27 33.Ø32	26.608	
82.Ø	82.89	-1.791	00 100	00 005	26.611	1439.6
83.Ø 84.Ø	83.91	-1.790 -1.790			26.612	1439.6
85.0	85.94	-1.790	26.191 26.192 26.193	33.037	26.612	1439.6
86.0	86.94	-1.790	26.193	33.038	26.613	1439.6
87.0	87.94	-1.790	26.194 26.198	33.038	26.613	1439.6
88.0	88.99	-1.788	26.198	33.Ø41	26.615	1439.7
89.0	89.99	-1.784	26.198 26.202 26.206	33.Ø43 33.Ø45	26.617 26.619	1439.7
90.0	91.01	-1.783 -1.781	26.2Ø6 26.21Ø	23.845		1439.8
91.0	92.02	-1.780	26.214	33.Ø49 33.Ø51	26.623	1439.8
92.Ø	94.05	-1.775	26.220	33.055	26.626	1439.8
94.0	95.04	-1.774	26.223	33.05/	26.628	1439.9
95.0	96.07	-1.774	26.224 26.226	22 050	26.629	1439.9
96.0	97.10	-1.775	26.226	33.060	26.630	1439.9
97.0	98.05	-1.774	26.227	33.060 33.061	26.631 26.631	1439.9
98.0	99.14	-1.775	26.227	33.001	26.632	1439.9
99.0	100.12	-1.775 -1.775	26.228	33.Ø62 33.Ø62	26.632	1440.0
100.0	102.18	-1.775	26.229	33.061	26.631	1440.0
102.0	103.12	-1.775	26.230	33.062	26.632	1440.0
103.0	1.04.17	-1.775	26.231	33.062	26.632	1440.0
104.0	105.21	-1.775	26.231	33.062	26.632	
105.0	106.18	-1.774	26.231	33.062	26.632	1440.0
106.0	107.18 108.23	-1.774	26.232	33.063	26.633	1440.1
107.0	108.23	-1.775 -1.775	26.233	33.063	26.633	1440.1
108.0 109.0	110.21	-1.776	26.234	33.064	26.634	1440.1
110.0	111.25	-1.776	26.234	33.064	26.634	1448.1
111.0	112.30	-1.776	26.234	33.065	26.634	1440.1
112.0	113.26	-1.776	26.235	33.065	26.635	1440.2
113.0	114.28	-1.776	26.236	33.066	26.635	1440.2
114.0	115.32	-1.777	26.237	33.067	26.636	1440.2
115.0	116.32	-1.776	26.239	33.Ø68 33.Ø7Ø	26.637 26.639	1448.2
116.0	117.31 118.37	-1.777 -1.777	26.240	33.070	26.639	1440.2
117.Ø 118.Ø	119.34	-1.777	26.241	33.070	26.639	1440.3
119.0	120.37	-1.777	26.241	33.071	26.639	1440.3
120.0	121.42	-1.777	26.242	33.070	26.639	1440.3
121.0	122.37	-1.777	26.242	33.070	26.639	1440.3
122.0	123.40	-1.777	26.242	33.070	26.639	1440.3
123.0	124.43	-1.777	26.243	33.070 33.071	26.639 26.639	1440.3
124.0	125.41	-1.777 -1.777	26.244	33.071	26.640	1440.4
125.Ø 126.Ø	126.47 127.47	-1.777	26.245	33.072	26.640	
127.0	128.43	-1.777	26.245	33.072	26.640	1440.4
128.8	129.52	-1.777	26.246	33.072	26.640	1440.4
129.0	130.51	-1.777	26.246	33.072	26.640	1440.4
130.0	131.50	-1.777	26.247	33.072	26.640	1440.5

					EXPERI	MENT 3015
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
131.0	132.56	-1.777	26.248	33.072	26.640	1440.5
132.0	133.52	-1.777	26.248	33.073	26.641	1440.5
133.0	134.55	-1.777	26.25Ø	33.075	26.642	1440.5
134.0	135.61	-1.775	26.253	33.075	26.643	1440.5
135.0	136.58	-1.777	26.251	33.075	26.643	1440.6
136.0 137.0	137.60 138.64	-1.776 -1.773	26.253 26.257	33.Ø76 33.Ø77	26.644 26.644	1440.6
138.0	139.50	-1.772	26,258	33.077	26.644	1440.6
139.0	140.66	-1.772	26.259	33.078	26.645	1440.6
140.0	141.63	-1.773	26.259	33.079	26.646	1440.7
141.0	142.58	-1.773	26.260	33.079	26.646	1440.7
142.0	143.68	-1.774	26.261	33.080	26.646	1440.7
143.0	144.68	-1.775 -1.775	26.261 26.261	33.Ø81 33.Ø8Ø	26.647 26.647	1440.7
145.0	146.69	-1.775	26.261	33.081	26.647	1448.7
146.0	147.76	-1.775	26.262	33.Ø81	26.647	1440.8
147.0	148.74	-1.775	26.263	33.081	26.648	1440.8
148.0	149.76	-1.775	26.263	33.081	26.648	1440.8
149.0	150.79	-1.775	26.264	33.081	26.648	1440.8
150.0	151.77	-1.775 -1.775	26.264 26.265	33.082	26.648	1440.8
151.0 152.0	152.83 153.79	-1.775	26.266	33.Ø82 33.Ø83	26.648 26.649	1440.8
153.0	154.84	-1.775	26.266	33.Ø82	26.648	1440.9
154.0	155.82	-1.775	26.266	33.082	26.648	1440.9
155.Ø	156.87	-1.775	26.267	33.082	26.649	1440.9
156.0	157.86	-1.775	26.267	33.082	26.649	1440.9
157.8	158.87	-1.775	26.267	33.082	26.648	1440.9
158.Ø 159.Ø	159.9Ø 16Ø.9Ø	-1.775 -1.775	26.268 26.268	33.Ø82 33.Ø82	26.649 26.648	1441.0
160.0	161.94	-1.775	26.269	33.882	26.648	1441.0
161.0	162.93	-1.775	26.269	33.082	26.648	1441.0
162.0	163.98	-1.776	26.270	33.083	26.649	1441.0
163.0	164.95	-1.776	26.270	33.083	26.649	1441.0
164.0	165.99	-1.776	26.271	33.083	26.649	1441.0
165.0	166.97	-1.776	26.271 26.271	33.Ø83 33.Ø83	26.649 26.649	1441.1
166.Ø 167.Ø	168.Ø4 168.99	-1.776 -1.776	26.272	33.084	26.650	1441.1
168.0	170.05	-1.777	26.272	33.084	26.650	1441.1
169.0	171.02	-1.777	26.273	33.084	26.650	1441.1
170.0	172.28	-1.777	26.273	33.084	26.650	1441.1
171.0	173.06	-1.776	26.274	33.084	26.650	1441.2
172.0	174.06	-1.776 -1.776	26.275 26.276	33.Ø85 33.Ø85	26.65Ø 26.651	1441.2
173.0 174.0	175.12 176.08	-1.775	26.277	33.085	26.651	1441.2
175.0	177.12	-1.775	26.278	33.Ø86	26.652	1441.2
176.0	178.14	-1.775	26.279	33.086	26.651	1441.3
177.0	179.12	-1.775	26.279	33.086	26.652	1441.3
178.0	180.17	-1.775	26.280	33.086	26.652	1441.3
179.0	181.16	-1.774	26.281	33.086	26.652 26.652	1441.3
18Ø.Ø 181.Ø	182.15 183.23	-1.773 -1.773	26.282 26.283	33.Ø87 33.Ø87	26.652	1441.4
182.0	184.19	-1.773	26.283	33.087	26.652	1441.4
183.0	185.23	-1.773	26.284	33.087	26.652	1441.4
184.0	186.26	-1.771	26.286	33.087	26.653	1441.4
185.0	187.24	-1.770	26.288	33.088	26.653	1441.4
186.0	188.30	-1.770	26.289	33.089	26.654	1441.5
187.Ø 188.Ø	189.29 190.29	-1.769 -1.769	26.291 26.292	33.090 33.090	26.65 <b>4</b> 26.655	1441.5
189.0	191.33	-1.769	26.293	33.091	26.655	1441.5
190.0	192.29	-1.770	26.293	33.091	26.656	1441.5
191.0	193.36	-1.769	26.294	33.091	26.656	1441.5
192.0	194.35	-1.768	26.295	33.092	26.656	1441.6
193.0	195.36	-1.766	26.296	33.091	26.655 26.657	1441.6
194.Ø 195.Ø	196.40 197.37	-1.764 -1.762	26.3ØØ 26.3Ø3	33.Ø93 33.Ø93	26.657	1441.6
195.0	198.42	-1.754	26.309	33.094	26.657	1441.7
197.0	199.39	-1.759	26.307	33.095	26.658	1441.7

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
198.0	200.43	-1.752	26.313	33.095	26.659	1441.7
199.0	201.46	-1.753	26.314 26.315	33.Ø96 33.Ø96	26.659 26.659	1441.8
200.0	202.43	-1.752 -1.751	26.315	33.096	26.659	1441.8
201.0	203.51 204.46	-1.751	26.317	33.097	26.660	1441.8
202.0 203.0	205.51	-1.751	26.317	33.096	26.659	1441.8
204.0	206.50	-1.752	26.317	33.096	26.659	1441.8
205.0	207.52	-1.751	26.318	33.096	26.659	1441.9
206.0	208.55	-1.751	26.318	33.096	26.659	1441.9
207.0	209.54	-1.751 -1.752	26.318 26.319	<b>33.096</b> 33.096	26.659 26.659	1441.9
208.0 209.0	21Ø.58 211.56	-1.752	26.319	33.896	26.659	1441.9
210.0	212.62	-1.751	26.320	33.096	26.659	1442.8
211.0	213.60	-1.751	26.321	33.096	26.659	1442.0
212.8	214.62	-1.746	26.325	33.096	26.659	1442.0
213.0	215.65	-1.746	26.325	33.097	26.659 26.659	1442.0
214.0	216.62 217.68	-1.744 -1.742	26.328 26.329	33.Ø96 33.Ø96	26.659	1442.1
215.Ø 216.Ø	218.65	-1.740	26.332	33.098	26.661	1442.1
217.0	219.70	-1.741	26.332	33.098	26.661	1442.1
218.0	220.71	-1.741	26.333	33.098	26.660	1442.1
219.0	221.70	-1.741	26.333	33.099	26.661	1442.2
220.0	222.76	-1.739 -1.739	26.337 26.336	33.100 33.099	26.662 26.661	1442.2
221.0	223.71 22 <b>4.</b> 79	-1.740	26.337	33.100	26.662	1442.2
223.0	225.76	-1.731	26.344	33.100	26.662	1442.3
224.0	226.80	-1.734	26.344	33.102	26.663	1442.3
225.0	227.80	-1.728	26.348	33.101	26.663	1442.3
226.0	228.81	-1.727	26.35Ø 26.349	33.102 33.101	26.663 26.662	1442.3
227.Ø 228.Ø	22 <b>9.83</b> 23 <b>0.8</b> 0	-1.728 -1.728	26.350	33.102	26.663	1442.4
229.0	231.87	-1.728	26.351	33.103	26.664	1442.4
230.0	232.85	-1.732	26.348	33.102	26.663	1442.4
231.0	233.91	-1.732	26.348	33.102	26.664	1442.4
232.0	234.86	-1.731 -1.731	26.349 26.35Ø	33.101 33.102	26.663 26.663	1442.4
233.Ø 234.Ø	23 <b>5.9</b> 2 23 <b>6.9</b> 2	-1.733	26.349	33.102	26.664	1442.4
235.0	237.94	-1.730	26.351	33.102	26.663	1442.5
236.0	238.95	-1.732	26.350	33.102	26.663	1442.5
237.0	239.95	-1.728	26.354	33.103 33.103	26.664	1442.5
238.Ø 239.Ø	24Ø.98 241.96	-1.729 -1.722	26.354 26.361	33.103	26.664 26.664	1442.5
240.0	242.98	-1.716	26.367	33.105	26.665	1442.6
241.0	244.03	-1.714	26.370	33.106	26.666	1442.7
242.0	245.00	-1.713	26.371	33.106	26.667	1442.7
243.0	246.02	-1.711	26.374	33.107	26.667	1442.7
244.Ø 245.Ø	247.Ø9 248.Ø3	-1.7Ø9 -1.7Ø4	26.377 26.382	33.108 33.110	26.668 26.669	1442.8
246.0	249.10	-1.685	26.401	33.114	26.673	1442.9
247.0	250.12	-1.685	26.402	33.115	26.673	1442.9
248.0	251.10	-1.682	26.405	33.115	26.673	1442.9
249.0	252.13	-1.683	26.406	33.116 33.116	26.674	1443.Ø 1443.Ø
25Ø.Ø 251.Ø	253.15 254.11	-1.68Ø -1.68Ø	26.4Ø8 26.4Ø9	33.116	26.674 26.674	1443.0
252.0	255.11	-1.678	26.412	33.117	26.675	1443.0
253.0	256.13	-1.670	26.419	33.119	26.676	1443.1
254.0	257.13	-1.669	26.421	33.119	26.676	1443.1
255.0	258.2Ø 259.2Ø	-1.669	26.422 26.426	33.12Ø 33.121	26.676 26.677	1443.1
256.Ø 257.Ø	26Ø.21	-1.666 -1.665	26.427	33.121	26.678	1443.2
258.Ø	261.18	-1.664	26.428	33.121	26.678	1443.2
259.0	262.2Ø	-1.663	26.430	33.122	26.678	1443.2
260.0	263.20	-1.663	26.431	33.122	26.678	1443.2
261.Ø 252.Ø	26 <b>4.2</b> 3 26 <b>5.1</b> 7	-1.663 -1.663	26.431 26.431	33.122 33.122	26.678 26.678	1443.3
263.0	266.18	-1.662	26.432	33.122	26.678	1443.3
264.0	267.19	-1.662	26.433	33.122	26.678	1443.3

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.0	268.23	-1.662	26.434	33.122	26.678	1443.3
266.0	269.22	-1.662	26.434	33.123	26.679	1443.3
267.0	270.23	-1.661	26.435	33.123	26.679	1443.4
268.0	271.27	-1.661	26.436	33.123	26.679	1443.4
269.0	272,26	-1.661	26.436	33.123	26.679	1443.4
270.0	273.06	-1.662	26.434	33.120	26.676	1443.4



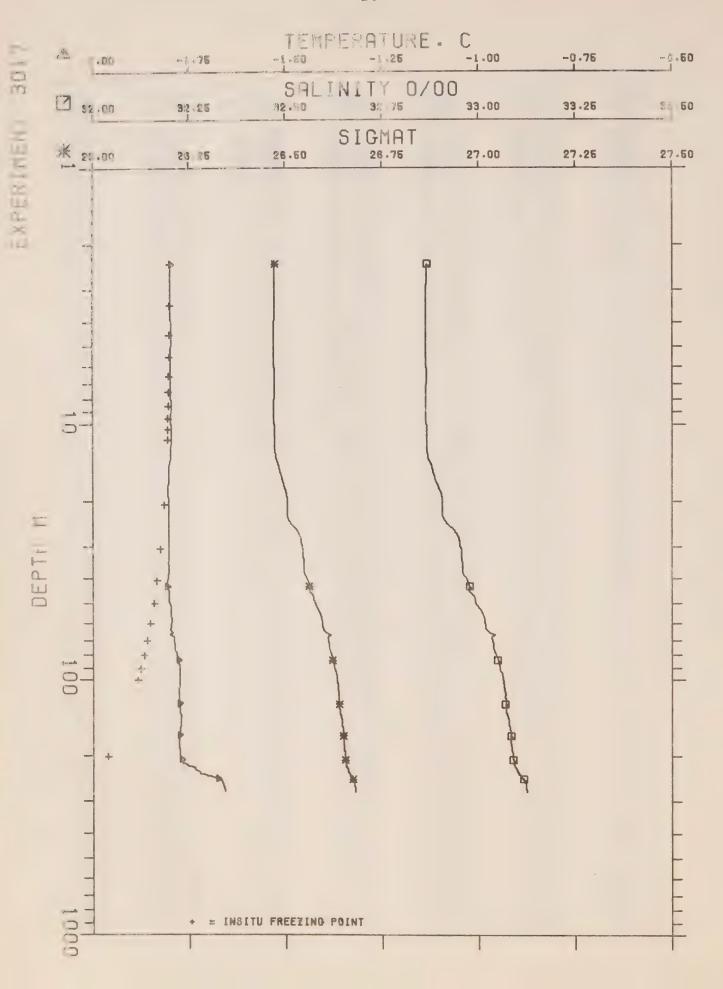
CRUISE	15-77-021	CROZIER STRA	IT-77	SITE C(6)B	EXPERIM	ENT 3Ø16
LAT.N.	75-29-49	LONG.W. 97-0	12-56	DATE 030477	G.M	.T. 2133
U.T.M.	ZONE 14 837	9694 N 5545	24 E	DEPTH INCR 1.00	WATER DEP	TH 271 M
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/88)	3 I dilly i	(M/SEC)
1.0	.91	-1,799	26.027	32.868	26.475	1437.9
2.0	1.97	-1.799 -1.799	26.024	32.862	26.471	1437.9
3.0	4.03	-1.799	26.029	32.87Ø	26.476	1438.0
5.0	5.03	-1.799	26.030	32.870	26.477	1438.0
6.Ø 7.Ø	6.02 7.05	-1.799 -1.798	26.031	32.87Ø 32.872	26.477 26.478	1438.0 1438.0
8.0	8.08	-1.799	26.035	32.875	26.481	1438.1
9.0	9.13	-1.801	26.039	32.881	26.486	1438.1
10.0	10.13	-1.802	26.042	32.886 32.889	26.49Ø 26.492	1438.1
11.0	11.10	-1.802 -1.802	26.845	32.890	26.493	1438.1
13.0	13.18	-1.804	26.049	32.897	26.499	1438.2
14.0	14.18	-1.805	26.061	32.914	26.513	1438.2
15.Ø 16.Ø	15.17 16.19	-1.806 -1.807	26.066	32.921 32.929	26.519 26.525	1438.2
17.8	17.24	-1.807	26.074	32.932	26.528	1438.3
18.0	18.25	-1.807	26.076	32.935	26.530	1438.3
19.0	19.23	-1.807 -1.807	26.079 26.083		26.532 26.537	1438.3
20.0	20.27 21.29	-1.806	26.088		26.541	1438.3
22.0	22.31	-1.807	26.089	32.950	26.542	1438.4
23.0	23.28	-1.807	26.094		26.547	1438.4
24.0	24.33 25.36	-1.807 -1.806	26.1Ø3 26.1Ø6	32.968 32.971	26.556 26.559	1438.4
26.0	26.33	-1.806	26.107		26.560	1438.5
27.0	27.35	-1.806	26.109		26.561	1438.5
28.Ø 29.Ø	28.41 29.40	-1.806 -1.806	26.11Ø 26.111		26.562 26.563	1438.5
30.0	30.39	-1.806	26.112		26.564	1438.5
31.0	31.39	-1.806	26.114		26.565	1438.6
32.0	32.45 33.47	-1.806 -1.806	26.114 26.115	32.979 32.979	26.565 26.566	1438.6
34.0	34.48	-1.806	26.117	32.980	26.566	1438.6
35.0	35.46	-1.806	26.118 26.12Ø		26.568 26.571	1438.6
36.Ø 37.Ø	36.47 37.50	-1.8Ø7 -1.8Ø7	26.122		26.572	1438.7
38.0	38.54	-1.806	26.128	32.993	26.577	1438.7
39.0	39.56	-1.806	26.130		26.578	1438.7
40.0	40.54 41.54	-1.805 -1.805	26.131 26.132	32.996 32.997	26.579 26.58%	1438.7
42.0	42.56	-1.804	26.134	32.998	26.581	1438.8
43.0	43.62	-1.803	26.136	32.999	26.581	1438.8
44.0	44.63 45.62	-1.802 -1.800	26.141	33.003 33.006	26.585 26.587	1438.8
46.0	46.61	-1.799	26.146	33.006	26.587	1438.9
47.0	47.64	-1.799	26.146	33.006	26.587	1438.9
48.Ø 49.Ø	48.68 49.69	-1.8Ø1 -1.797	26.147 26.154		26.589 26.593	1438.9
50.0	50.67	-1.798	26.155		26.594	1439.0
51.0	51.68	-1.800	26.155		26.595	1439.0
52.Ø 53.Ø	52.73 53.76	-1.8Ø1 -1.8ØØ	26.155 26.156		26.596 26.597	1439.0
54.0	54.77	-1.800	26.157	33.Ø18	26.597	1439.0
55.Ø	55.73	-1.801	26.158	33.019	26.598	1439.0
56.Ø 57.Ø	56.79 57.82	-1.8Ø4 -1.8Ø3	26.157 26.159		26.600 26.600	1439.0
58.0	58.84	-1.801	26.161	33.022	26.600	1439.1
59.0	59.81	-1.799	26.163		26.600	1439.1
60.0	5Ø.87	-1.797 -1.797	26.166 26.167		26.601 26.602	1439.1
61.Ø 62.Ø	61.91 62.87	-1.796	26.168		26.602	1439.2

BEBTU	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
DEPTH (M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
53.0	63.85	-1.795	26.170	33.025	26.603	1439.2
64.8	64.91	-1.796	26.171 26.172	33.Ø26 33.Ø26	26.6Ø3 26.6Ø4	1439.2
65.0	65.94 66.93	-1.795 -1.794	26.172	33.026	26.603	1439.3
66.Ø 67.Ø	67.93	-1.795	26.174	33.028	26.605	1439.3
68.0	68.97	-1.794	26.176	33.030	26.606	1439.3
69.8	69.97	-1.795	26.178	33.032	26.608	1439.3
70.0	70.96	-1.794 -1.794	26.18Ø 26.182	33.Ø33 33.Ø36	26.609	1439.4
71.9	72.Ø1 73.Ø5	-1.788	26.192	33.042	26.616	1439.4
73.8	74.03	-1.788	26.194	33.044	26.618	1439.4
74.0	75.03	-1.785	26.198	33.046	26.620	1439.5
75.0	76.09	-1.784	26.201	33.Ø48 33.Ø48	26.621 26.621	1439.5
75.Ø	77.Ø9 78.Ø7	-1.783 -1.783	26.202 26.203	33.049	26.621	1439.5
78.0	79.12	-1.780	26.208	33.052	26.624	1439.6
73.8	80.12	-1.780	26.209	33.053	26.624	1439.6
eg.ø	81.12	-1.778	26.212	33.054	26.626	1439.6
81.0	82.18 83.18	-1.777 -1.777	26.214 26.215	33.056 33.056	26.627 26.627	1439.6
82.0	84.15	-1.777	26.216	33.057	26.628	1439.7
24.2	85.23	-1.776	26.217	33.057	26.628	1439.7
85.0	86.21	-1.775	26.220	33.060	26.630	1439.7
86.8	87.25	-1.775	26.221 26.221	33.Ø6Ø 33.Ø6Ø	26.63Ø 26.631	1439.7
87.Ø	88.27 89.28	-1.775 -1.775	26.222	33.060	26.638	1439.8
89.1	90.26	-1.775	26.222	33.060	26.630	1439.8
កាតា , រា	91.31	-1.775	26.223	33.061	26.631	1439.8
91.0	92.28	-1.775	26.223	33.060	26.631	1439.8
92.8	93.30 94.35	-1.775 -1.775	26.224 26.225	33.Ø61 33.Ø61	26.631 26.631	1439.8
93.0	95.33	-1.775	26.226	33.Ø62	26.632	1439.9
0 E . Ø	96.37	-1.775	26.228	33.064	26.634	1439.9
95.0	97.38	-1.775	26.229	33.065	26.634	1439.9
117 9	98.38	-1.775	26.23Ø 26.231	33.Ø66 33.Ø66	26.635 26.636	1439.9
98.0	99.43 100.43	-1.775 -1.775	26.231	33.067	26.636	1440.0
ាមជ ១	101.41	-1.775	26.232	33.066	26.636	1440.0
1171 . 8	1.02.43	-1.775	26.232	33.066	26.635	1449.0
168.0	1.03.49	-1.776	26.232 26.233	33.Ø67 33.Ø67	26.636 26.636	1440.0
163.8	104.50	-1.776 -1.776	26.234	33.067	26.636	1440.0
105.0	106.49	-1.776	26.234	33.067	26.636	1440.1
n.on	107.55	-1.776	26.234	33.067	26.636	1440.1
167.8	108.57	-1.777	26.235	33.068	26.637 26.638	1440.1
108.0 109.0	109.53	-1.777 -1.777	26.236 26.236	33.Ø69 33.Ø69	26.637	1440.1
110.0	111.61	-1.777	26.237	33.070	26.638	1440.1
111.0	112.60	-1.777	26.237	33.Ø69	26.638	1440.1
112.0	113.59	-1.777	26.238	33.070	26.639	1440.2
113.0	114.62 115.67	-1.777 -1.777	26.239 26.24Ø	33.Ø71 33.Ø72	26.639 26.64Ø	1440.2
115.0	115.66	-1.777	26.240	33.072	26.640	1440.2
116.0	117.64	-1.777	26.241	33.072	26.641	1440.2
117.0	118.69	-1.777	26.242	33.072	26.641	1440.3
118.0	119.71	-1.777 -1.777	26.242 26.243	33.Ø73 33.Ø73	26.641 26.641	1440.3
119.0	12Ø.71 121.71	-1.777	26.243	33.073	26.641	1440.3
121.0	122.77	-1.777	26.244	33.073	26.641	1440.3
122.Ø	123.76	-1.777	26.245	33.074	26.642	1440.3
123.0	124.75	-1.777	26.245	33.074	26.642 26.642	1440.4
124.0	125.8Ø 126.79	-1.777 -1.777	26.246 26.247	33.Ø74 33.Ø74	26.642	1440.4
6 . 0	127.79	-1.777	26.247	33.075	26.642	1440.4
2.1.0	128.81	-1.777	25.248	33.074	26.642	1448.4
128.0	129.84	-1.776	26.248	33.074	26.642	1440.4
129.5	130.82	-1.777	26.249	33.075	26.642	1440.5

					ENTERL	112111 0010
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
130.0	131.83	-1.777	25.249	33.074	26.642	1440.5
131.0	132.87	-1.777	26.250	33.074	26.642	1440.5
132.0	133.92	-1.776	26.250	33.075	26.642	1440.5
133.0	134.98	-1.776	26.251	33.075	26.642	1440.5
134.0	135.87	-1.777	26.251	33.075	26.643	1440.5
135.0	136.90	-1.776	26.252	33.075	26.642	1440.6
136.0	137.98	-1.777 -1.777	26.253 26.253	33.Ø75 33.Ø76	26.643 26.643	1440.6
137.0	138. <b>98</b> 139.97	-1.777	26.254	33.076	26.643	1440.6
139.0	140.99	-1.777	26.254	33.076	26.644	1440.6
140.0	142.04	-1.777	26.254	33.076	26.643	1440.6
141.0	143.56	-1.777	26.256	33.Ø77	26.644	1440.7
142.0	144.01	-1.777	26.257	33.078	26.645	1440.7
143.0	145.06	-1.776	26.258	33.078	26.645	1440.7
144.0	145.10	-1.776	26.259 26.26Ø	33.Ø79 33.Ø79	26.646 26.646	1440.7
145.0	147.Ø8 148.12	-1.776 -1.776	26.261	33.080	26.647	1440.8
147.0	149.14	-1.776	26.262	33.Ø81	26.647	1440.8
148.0	150.11	-1.776	26.262	33.081	26.647	1440.8
149.0	151.17	-1.776	26.263	33.081	26.648	1440.8
150.0	152.18	-1.776	26.263	33.082	26.648	1440.8
151.0	153.16	-1.776	26.264	33.082	26.648	1440.8
152.0	154.24	-1.776	26.265	33.082	26.648 26.648	1440.9
153.0	155.21	-1.775 -1.775	26.266 26.266	33.Ø82 33.Ø82	26.648	1448.9
154.Ø 155.Ø	156.24 157.26	-1.775	26.267	33.082	26.648	1440.9
156.0	158.23	-1.775	26.267	33.082	26.648	1440.9
157.0	159.29	-1.775	26.268	33.082	26.648	1440.9
158.0	160.29	-1.775	26.268	33.082	26.648	1441.0
159.0	161.32	-1.775	26.269	33.082	26.648	1441.0
160.0	162.32	-1.774	26.270	33.082	26.648	1441.0
161.8	163.31	-1.775	26.27Ø 26.271	33.Ø82 33.Ø83	26.648 26.649	1441.0
162.8	164.36 165.35	-1.775 -1.774	26.271	33.082	26.648	1441.0
163.Ø	166.37	-1.775	26.271	33.082	26.648	1441.1
165.0	167.39	-1.774	26.272	33.082	26.648	1441.1
166.0	168.38	-1.774	26.272	33.082	26.649	1441.1
167.0	169.45	-1.774	26.273	33.083	26.649	1441.1
168.0	170.40	-1.774	26.274	33.082	26.648	1441.1
169.0	171.42	-1.774	26.274 26.275	33.082 33.083	26.648 26.649	1441.2
17Ø.Ø 171.Ø	172.49 173.48	-1.774 -1.774	26.275	33.083	26.649	1441.2
172.0	174.46	-1.774	26.276	33.083	26.649	1441.2
173.0	175.53	-1.774	26.276	33.083	26.649	1441.2
174.0	176.53	-1.774	26.277	33.083	26.649	1441.2
175.0	177.52	-1.774	26.277	33.083	26.649	1441.2
176.0		-1.774	26.278	33.083	26.649	1441.3
177.0		-1.774	26.278	33.Ø83 33.Ø84	26.649 26.65Ø	1441.3
178.0	and the second	-1.774 -1.775	26.279 26.279	33.085	26.651	1441.3
179.Ø 18Ø.Ø		-1.776	26.279	33.086	26.651	1441.3
181.0		-1.777	26.279	33.086	26.651	1441.3
182.0	a man a common	-1.776	26.280	33.086	26.651	1441.4
183.0		-1.777	26.281	33.086	26.652	1441.4
184.0		-1.776	26.282	33.086	26.652	1441.4
185.0		-1.775	26.284	33.Ø87 33.Ø88	26.652 26.653	1441.4
186.0		-1.773 -1.773	26.286 26.287	33.088	26.653	1441.5
187.0		-1.773	26.287	33.088	26.653	1441.5
188.0		-1.773	26.288	33.089	26.654	1441.5
190.0		-1.773	26.288	33.088	26.653	1441.5
191.0		-1.774	26.288	33.089	26.654	1441.5
192.0	194.81	-1.774	26.289	33.089	26.654	1441.5
193.0		-1.774	26.290	33.089	26.654 26.654	1441.6
194.0		-1.774 -1.774	26.29Ø 26.29Ø	33.Ø89 33.Ø89	26.654	1441.6
195.0		-1.774	26.290	33.888	26.653	1441.6
196.0	130.00	1.774	20.23			

DEFTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(%)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
	, , , , , , , , , , , , , , , , , , , ,				06 650	1441 6
19, Ø	199.85	-1.774	26.290	33.088	26.653	1441.6
199.0	200.90	-1.774	26.291	33.088	26.653 26.653	1441.7
199,0	201.89	-1 773	26.292	33.Ø88 33.Ø88	26.653	1441.7
200.0	202.91	-1.773	26.293 26.295	33.089	26.654	1441.7
201.0	203.93	-1.771	26.297	33.090	26.655	1441.7
202.0	204.90	-1,77Ø -1,77Ø	26.298	33.091	26.655	1441.7
2.03.0	205.98 206.95	-1.778	26.299	33.091	26.656	1441.8
204.0	207.98	-1.778	26.299	33.091	26.656	1441.8
205.0	209.02	-1,770	26.301	33.092	26.657	1441.8
206.0 207.0	209.98	-1.769	26.302	33.093	26.657	1441.8
208.0	211.04	-1,768	26.303	33.093	26.657	1441.8
209.0	212.84	-1.768	26.305	33.094	26.657	1441.9
210.0	213.03	-1.766	26.306	33.093	26.657	1441.9
211.0	214.08	-1.766	26.306	33.Ø93	26.657	1441.9
212.0	215.08	-1.766	26.307	33.093	26.657	1441.9
213.0	216.11	-1.765	26.309	33.094	26.657	1441.9
214.0	217.14	-1.763	26.309	33.093	26.657	1442.0
115.Ø	218.11	-1.761	26.313	33.093	26.657	1442.Ø 1442.Ø
216.0	219.17	-1.761	26.314	33.094	26.658 26.658	1442.0
217.0	220.14	-1.760	26.314	33.094	26.658	1442.1
218.0	221.20	-1.758	26.317 26.318	33.Ø95 33.Ø95	26.658	1442.1
219.0	222.18	-1.757 -1.757	26.319	33.095	26.659	1442.1
220.0	223.21	-1.756	26.320	33.095	26.659	1442.1
221.0	224.24	-1.755	26.322	33.095	26.659	1442.1
222.0	226.28	-1.750	26.326	33.095	26.658	1442.2
223.0	227.23	-1.748	26.328	33.096	26.659	1442.2
:25.0	228.31	-1.747	26.329	33.096	26.659	1442.2
26.0	229.28	-1.746	26.331	33.096	26.659	1442.2
.27.0	230.32	-1.743	26.335	33.097	26.660	1442.3
28.0	231.33	-1.737	26.338	33.095	26.658	1442.3
.29.0	232.34	-1.732	26.343	33.096	26.659	1442.4
30.0	233.35	-1.731	26.346	33.Ø98	26.660	1442.4
.31.0	234.36	-1.729	26.349	33.099	26.661	1442.4
.32.0	235.41	-1.723	26.353	33.098	26.660	1442.5
233.Ø	236.36	-1.722	26.358	33.103	26.664	1442.5
234.0	237.45	-1.718	26.362	33.103 33.104	26.664 26.665	1442.5
235.0	238.39	-1.717	26.364 26.367	33.103	26.664	1442.6
236.0	239.43	-1.711 $-1.710$	26.371	33.106	26.666	1442.6
237.0	240.47 241.45	-1.706	26.374	33.103	26.664	1442.6
238.Ø 239.Ø	242.48	-1.699	26.379	33.102	26.663	1442.7
240.0	243.51	-1.686	26.391	33.104	26.665	1442.8
241.0	244.52	-1.685	26.397	33.112	26.671	1442.8
242.0	245.51	-1.685	26.399	33.114	26.672	1442.8
243.0	246.56	-1.684	26.401	33.115	26.673	1442.9
244.0	247.54	-1.677	26.407	33.113	26.672	1442.9
245.0	248.55	-1.671	26.413	33.115	26.673	1442.9
246.0	249.61	-1.669	26.418	33.119	26.676	1443.0
247.0	250.59	-1.663	26.422	33.118	26.675	1443.0
248.0	251.60	-1.664	26.424	33.121	26.677	1443.Ø 1443.1
249.0	252.65	-1.664	26.425	33.122	26.678 26.679	1443.1
250.0	253.62	-1.664	26.426 26.43Ø	33.122 33.122	26.678	1443.1
251.0	254.63	-1.660	26.431	33.123	26.679	1443.1
252.0	255.65	-1.659 -1.660	26.431	33.124	26.680	1443.1
253.Ø 254.Ø	256.68 257.7Ø	-1.661	26.432	33.125	26.680	1443.2
255.0	258.71	-1.659	26.433	33.124	26.679	1443.2
256.0	259.74	-1.659	26.435	33.126	26.681	1443.2
257.Ø	260.76	-1.658	26.436	33.125	26.681	1443.2
258.0	261.77	-1.658	26.437	33.126	26.681	1443.2
259.Ø	262.78	-1.656	26.438	33.126	26.681	1443.3
260.0	263.70	-1.655	26.439	33.125	26.681	1443.3
261.0	264.72	-1.655	26.439	33.125	26.680	1443.3
262.0	265.73	-1.655	26.440	33.124	26.680	1443.3
263.0	266.74	-1.655	26.441	33.125	26.681	1443.3

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
264.Ø 265.Ø 266.Ø 267.Ø	267.74 268.79 269.81 270.80	-1.655 -1.655 -1.655 -1.655	26.442 26.442 26.443 26.443	33.126 33.126 33.127 33.126	26.681 26.682 26.682 26.682	1443.4 1443.4 1443.4



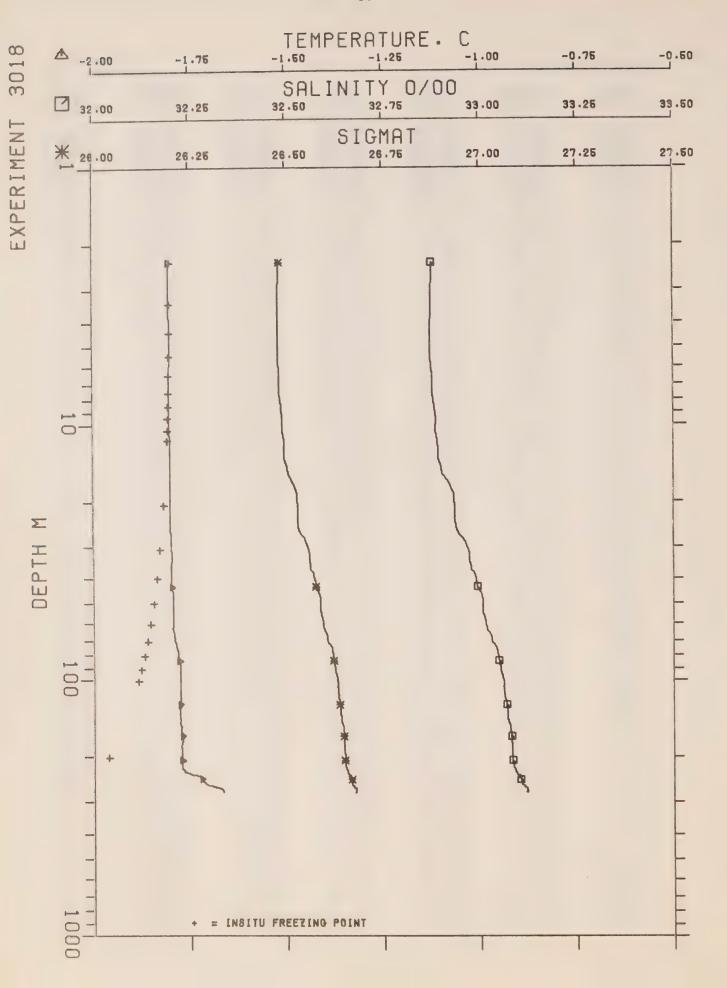
CRUISE	15-77-021	CROZIER STR	AIT-77	SITE C(6)B	EXPE	RIMENT 3Ø17
LAT.N.	75-29-49	LONG.W. 97-	Ø2-56	DATE Ø3Ø477		G.M.T. 222Ø
U.T.M.	ZONE 14 837	9694 N 554	524 E C	DEPTH INCR 1.00	WATER	DEPTH 271 M
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
2.0	2.39	-1.796 -1.796	26.Ø28 26.Ø27		26.473 26.471	1438.Ø 1438.Ø
4.0	4.53	-1.796	26.027	32.862	26.471	1438.0
5.Ø 6.Ø	5.52 6.55	-1.797 -1.797	26.Ø27 26.Ø28	32.863 32.864	26.471	1438.Ø 1438.Ø
7.0	7.56	-1.797	26.029	32.864	26.472	1438.0
8.0	8.57	-1.796 -1.797	26.829	32.863	26.471	1438.1
9.Ø 1Ø.Ø	9.57 10.59	-1.796	26.029 26.030	32.863 32.864	26.471	1438.1 1438.1
11.0	11.60	-1.796	26.Ø31 26.Ø32	32.864	26.472	1438.1
12.0	12.60	-1.797	26.032	32.865	26.473	1438.1
13.0	13.61 14.64	-1.798 -1.802	26.Ø33 26.Ø37	32.868 32.877	26.475	1438.1 1438.2
15.0	15.67	-1.803	26.042	32.884 32.889	26.488	1438.2
16.0	16.69	-1.804	26.845	32.889	26.492	1438.2
17.0 18.0	17.72 18.74	-1.8Ø4 -1.8Ø4	26.042 26.045 26.049 26.055	32.894 32.903	26.497 26.503	1438.2 1438.2
19.0	19.75	-1.804	26.Ø58 26.Ø59	32.904	26 605	1438.3
20.0	20.76	-1.803	26.059		26.505	1438.3
21.0	21.75 22.76	-1.803	26.060 26.060	32.9Ø5 32.9Ø5	26.505	1438.3 1438.3
23.0	23.77	-1.803	26.064	32.9Ø9 32.92Ø	26.508	1438.3
24.0	24.78	-1.802	26.072	32.920	26.517	1438.4
25.Ø 26.Ø	25.81 26.85	-1.802	26.060 26.060 26.064 26.072 26.081 26.089	32.931 32.942	26.527	1438.4
27.0	27.88	-1.802	26.893	32.948 32.949	26.548	1438.5
28.0	28.90	-1.803	26.Ø93 26.Ø95	32.949	26.541	1438.5
29.Ø 3Ø.Ø	29.88 3 <i>0</i> .89	-1.803 -1.803	26.096 26.098	32.951 32.954	26.543	1438.5 1438.5
31.0	31.88	-1.803	26.099 26.100	00 054	DE EAR	1438.5
32.Ø 33.Ø	32.89 33.90	-1.8Ø3 -1.8Ø4	26.100 26.101	32.955	26.546 26.547	1438.6
34.0	34.92	-1.804	26.182	32.956 32.957	26.548	1438.6
35.0	35.93	-1.804	26.103	22 050	26.548	1438.6
36.Ø 37.Ø	36.94 37.97	-1.8Ø4 -1.8Ø4	26.104 26.104	00 000	26.549 26.548	1438.6 1438.6
38.0	38.99	-1.805	26.105	32.961	26.551	1438.7
39.Ø 4Ø.Ø	40.00 41.03	-1.806 -1.807	26.1Ø9 26.111	32.967 32.97Ø	26.555	1438.7
41.0	42.84	-1.808	26.113	32.973	26.561	
42.0	43.86	-1.807	26.116	32.975	26.562	1438.7
43.0	44.Ø8 45.11	-1.805 -1.802	26.118 26.121	32.976 32.976	26.563	1438.8 1438.8
44.Ø 45.Ø	46.12	-1.803	26.126	32.983	26.569	1438.8
46.0	47.13	-1.804	26.130	32.988	26.573	1438.8
47.0	48.16 49.18	-1.8Ø3 -1.8Ø2	26.131 26.133	32.989 32.991	26.574 26.575	1438.9
48.Ø 49.Ø	50.20	-1.800	26.137	32.993	26.577	1438.9
50.0	51.22	-1.798	26.143	32.998	26.580	1438.9
51.Ø 52.Ø	52.22 53.21	-1.797 -1.798	26.146 26.148	33.000 33.004	26.582	1439.0
53.0	54.22	-1.797	26.152	33.008	26.588	1439.0
54.0	55.24	-1.796	26.154	33.009	26.589	1439.8
55.0	56.26 57.24	-1.797 -1.796	26.157 26.159	33.Ø13 33.Ø14	26.593	1439.1
56.Ø 57.Ø	58.27	-1.795	26.161	33.015	26.595	1439.1
58.0	59.30	-1.796	26.161	33.016	26.595	1439.1
59.0	60.33	-1.797 -1.797	26.161 26.161	33.Ø17 33.Ø17	26.596	1439.1 1439.1
60.0 61.0	61.36 62.35	-1.797	26.162	33.017	26.596	1439.2
62.0	63.38	-1.799	26.163	33.020	26.598	1439.2
63.0	64.39	-1.798	26.166	33.022	26.600	1439.2

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(8/88)		(M/SEC)
					00 001	1400 0
60.8	65.41	-1.793	26.173	33.027	26.684	1439.2
65.0	66.41	-1.800	26.180	33.043	26.617	1439.2
66.0	67.42	-1.791	26.181	33.034	26.610	1439.3
67.0	68.42	-1.791	26.181	33.034	26.609	1439.3
68.0	69.43	-1.791	26.182	33.034	26.618	1439.3
69.8	70.44	-1.791	26.183	33.035	26.610	1439.3
7Ø.Ø	71.46	-1.790	26.186	33.037	26.612	1439.4
71.0	72.48	-1.787	26.190	33.038	26.613	1439.4
72.0	73.52	-1.787	26.191	33.039	26.613	1439.4
73.Ø	74.54	-1.787	26.191	33.038	26.613	1439.4
74.0	75.55	-1.787	26.191	33.038	26.613	1439.5
75.Ø	76.57	-1.787	26.192	33.039	26.614	1439.5
76.0	77.54	-1.784	26.196	33.041	26.615	1439.5
77.0	78.57	-1.783	26.198	33.043	26.616	1439.5
78.0	79.57	-1.783	26.201	33.045	26.618	1439.5
79.0	80.62	-1.782	26.202	33.046	26.619	1439.6
80.0	81.64	-1.781	26.205	33.048	26.621	1439.6
81.0	82.67	-1.780	26.207	33.049	26.621	1439.6
82.0	83.65	-1.779	26.209	33.050	26.622	1439.6
83.0	84.64	-1.778	26.211	33.051	26.623	1439.7
84.0	85.68	-1.777	26.214	33.052	26.624	1439.7
85.Ø	86.70	-1.776	26.215	33.053	26.625	1439.7
86.0	87.74	-1.776	26.216	33.054	26.625	1439.7
87.Ø	88.74	-1.776	26.217	33.054	26.626	1439.7
88.0	89.76	-1.776	26.218	33.055	26.626	1439.8
89.0	90.74	-1.776	26.218	33.055	26.626	1439.8
90.0	91.76	-1.775	26.220	33.056	26.627	1439.8
91.0	92.78	-1.774	26.223	33.059	26.629	1439.8
92.0	93.82	-1.774	26.225	33.060	26.631	1439.8
93.0	94.83	-1.774	26.225	33.061	26.631	1439.9
94.0	95.84	-1.775	26.226	33.061	26.631	1439.9
95.0	96.83	-1.775	26.227	33.062	26.632	1439.9
96.0	97.84	-1.775	26.227	33.063	26.633	1439.9
97.0	98.88	-1.775	26.228	33.063	26.633	1439.9
98.0	99.90	-1.775	26.228	33.063	26.633	1439.9
99.0	100.90	-1.775	26.238	33.064	26.634	1440.0
100.0	101.90	-1.775	26.230	33.064	26.633	1440.0
101.0	102.89	-1.775	26.231	33.065	26.635	1440.0
102.0	103.93	-1.775	26.231	33.064	26.634	
103.0	104.95	-1.776	26.232	33.065	26.635	1440.0
104.0	105.98	-1.776	26.232	33.065	26.635 26.635	1448.8
105.0	106.99	-1.776	26.233	33.066	26.636	1440.1
106.0	108.01	-1.776	26.234	33.Ø66 33.Ø66	26.635	1440.1
107.0	109.03	-1.777	26.233	33.067	26.636	1440.1
108.0	110.05	-1.777	26.234 26.235	33.068	26.637	1440.1
109.0	111.06	-1.777	26.236	33.069	26.638	1440.1
110.0	112.05	-1.777 -1.777	26.237	33.069	26.637	1440.2
111.0	113.04	-1.777	26.238	33.069	26.638	1440.2
112.Ø 113.Ø	114.Ø5 115.Ø7	-1.777	26.237	33.068	26.637	1440.2
114.0	116.08	-1.777	26.238	33.068	26.637	1440.2
115.0	117.15	-1.776	26.239	33.069	26.637	1440.2
116.0	118.15	-1.777	26.240	33.069	26.638	1440.2
117.0	119.18	-1.776	26.241	33.070	26.638	1440.3
118.0	120.20	-1.776	26.241	33.069	26.638	1440.3
119.0	121.21	-1.776	26.241	33.069	26.638	1440.3
120.0	122.21	-1.776	26.242	33.069	26.638	1440.3
121.0	123.19	-1.775	26.243	33.069	26.638	1440.3
122.0	124.20	-1.775	26.243	33.070	26.638	1440.3
123.0	125.22	-1.775	26.244	33.070	26.638	1448.4
124.0	126.24	-1.776	26.244	33.070	26.638	1440.4
125.0	127.29	-1.775	26.245	33.070	26.638	1440.4
126.0	128.31	-1.775	26.246	33.070	26.638	1440.4
127.0	129.31	-1.775	26.246	33.070	26.639	1440.4
128.0	130.32	-1.775	26.247	33.070	26.639	1440.4
129.0	131.31	-1.775	26.247	33.071	26.639	1440.5
130.0	132.32	-1.775	26.248	33.071	26.639	1440.5

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DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/88)		(M/SEC)
131.0	133.34	-1.775	26.249	33.Ø71	26.639	1440.5
132.0	134.41	-1.775	26.249	33.071	26.640	1440.5
133.0	135.42	-1.775	26.250	33.072	26.640	1440.5
134.0	136.42	-1.773	26.253	33.073	26.641	1440.6
135.0	137.40	-1.772	26.255	33.073	26.641	1440.6
136.0	138.42	-1.771 -1.773	26.257 26.256	33.Ø75 33.Ø76	26.643 26.643	1440.6
137.Ø 138.Ø	139.44	-1.773	26.257	33.076	26.643	1448.6
139.0	141.49	-1.772	26.258	33.077	26.644	1440.7
140.0	142.47	-1.771	26.260	33.Ø77	26.644	1440.7
141.0	143.49	-1.772	26.260	33.078	26.645	1440.7
142.0	144.51	-1.772	26.261	33.078	26.645	1440.7
143.0	145.55	-1.772	26.261	33.078	26.645 26.645	1440.7
144.0	146.58 147.57	-1.772 -1.772	26.262 26.263	33.Ø78 33.Ø78	26.645	1440.7
145.0	148.55	-1.772	26.263	33.078	26.645	1440.8
147.0	149.58	-1.772	26.263	33.078	26.645	1440.8
148.0	150.60	-1.772	26.264	33.079	26.646	1440.8
149.0	151.65	-1.772	26.265	33.079	26.646	1440.8
150.0	152.66	-1.773	26.265	33.080	26.646	1440.8
151.0	153.65	-1.775	26.265 26.265	33.Ø81 33.Ø81	26.647 26.647	1440.9
152.Ø 153.Ø	154.64 155.7Ø	-1.774 -1.774	26.266	33.081	26.647	1448.9
154.0	156.71	-1.774	26.266	33.080	26.647	1440.9
155.Ø	157.72	-1.774	26.268	33.082	26.648	1440.9
156.0	158.71	-1.775	26.268	33.082	26.648	1440.9
157.Ø	159.75	-1.775	26.268	33.082	26.648	1441.0
158.0	160.76	-1.776	26.269	33.083	26.649	1441.0
159.0	161.77 162.78	-1.776 -1.777	26.269 26.269	33.Ø83 33.Ø84	26.649 26.65Ø	1441.Ø 1441.Ø
160.0 161.0	163.82	-1.777	26.278	33.084	26.650	1441.0
162.0	164.84	-1.776	26.270	33.083	26.649	1441.0
163.0	165.82	-1.776	26.270	33.083	26.649	1441.0
164.0	166.85	-1.777	26.271	33.083	26.649	1441.1
165.0	167.89	-1.776	26.271	33.083	26.649	1441.1
165.8	168.87	-1.776	26.271 26.272	33.Ø83 33.Ø83	26.649 26.649	1441.1
167.Ø 168.Ø	169.87 170.92	-1.776 -1.777	26.272	33.083	26.649	1441.1
169.0	171.93	-1.777	26.273	33.083	26.649	1441.1
170.0	172.92	-1.776	26.273	33.083	26.649	1441.2
171.0	173.92	-1.776	26.274	33.083	26.649	1441.2
172.0	174.91	-1.776	26.274	33.083	26.649	1441.2
173.0	175.98 176.99	-1.776 -1.777	26.275 26.275	33.083 33.083	26.649 26.649	1441.2
174.Ø 175.Ø	178.99	-1.777	26.276	33.084	26.650	1441.2
176.0	179.02	-1.777	26.276	33.084	26.650	1441.3
177.0	180.04	-1.777	26.276	33.084	26.65Ø	1441.3
178.0	181.02	-1.777	26.277	33.084	26.650	1441.3
179.0	182.04	-1.777	26.278	33.084	26.650	1441.3
180.0	183.07	-1.776	26.278 26.279	33.Ø84 33.Ø84	26.65Ø 26.65Ø	1441.3
181.Ø 182.Ø	184.11 185.12	-1.776 -1.776	26.279	33.084	26.650	1441.4
183.0	186.10	-1.776	26.280	33.084	26.650	1441.4
184.0	187.11	-1.776	26.281	33.085	26.650	1441.4
185.0	188.13	-1.775	26.283	33.085	26.651	1441.4
186.0	189.18	-1.775	26.284	33.086	26.652	1441.4
187.0	190.18	-1.775	26.284	33.Ø86 33.Ø86	26.652 26.652	1441.5
188.0	191.19 192.17	-1.775 -1.775	26.285 26.285	33.086	26.652	1441.5
189.Ø	193.21	-1.775	26.285	33.086	26.652	1441.5
191.0	194.25	-1.775	26.286	33.087	26.652	1441.5
192.0	195.27	-1.775	26.286	33.086	26.652	1441.5
193.0	196.26	-1.775	26.287	33.087	26.652	1441.6
194.0	197.25	-1.775	26.287	33.Ø87 33.Ø86	26.652 26.652	1441.6
195.0	198.27 199.32	-1.775 -1.775	26.288 26.288	33.087	26.652	1441.6
196.Ø 197.Ø	200.34	-1.775	26.289	33.087	26.652	1441.6
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DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
100 0	201.33	-1.775	26.289	33.087	26.652	1441.6
198.Ø 199.Ø	202.33	-1.772	26.293	33.088	26.653	1441.7
200.0	203.36	-1.772	26.294	33.089	26.654	1441.7
201.0	204.40	-1.771	26.296	33.089	26.654	1441.7
202.0	205.39	-1.770	26.297	33.090	26.654	1441.7
203.0	206.39	-1.769	26.298	33.090	26.654	1441.8
204.0	207.40	-1.769	26.299	33.090	26.655	1441.8
205.0	208.46	-1.769	26.300	33.091	26.655	1441.8
206.0	209.46	-1.769	26.301	33.091	26.655	1441.8
207.0	210.45	-1.768	26.301	33.091	26.655 26.656	1441.8
208.0	211.46	-1.768	26.3Ø2 26.3Ø3	33.Ø91 33.Ø91	26.655	1441.9
209.0	212.51	-1.767 -1.760	26.309	33.089	26.654	1441.9
210.0	213.51 214.5Ø	-1.759	26.312	33.092	26.656	1441.9
212.0	215.53	-1.756	26.313	33.091	26.655	1442.0
213.0	216.57	-1.754	26.316	33.092	26.656	1442.0
214.0	217.56	-1.753	26.318	33.093	26.657	1442.0
215.0	218.56	-1.750	26.320	33.092	26.656	1442.0
216.0	219.61	-1.742	26.328	33.094	26.657	1442.1
217.0	220.60	-1.738	26.332	33.094	26.657	1442.1
218.0	221.60	-1.736	26.336	33.096	26.659	1442.2
219.0	222.64	-1.736	26.337	33.098	26.660	1442.2
220.0	223.68	-1.735	26.339	33.098	26.66Ø 26.661	1442.2
221.0	224.65	-1.734	26.340	33.Ø99 33.Ø98	26.661	1442.3
222.0	22 <b>5.67</b> 226.71	-1.732 -1.73Ø	26.342 26.345	33.099	26.661	1442.3
223.0	227.72	-1.727	26.347	33.099	26.661	1442.3
224.Ø 225.Ø	228.69	-1.726	26.35Ø	33.101	26.663	1442.3
226.0	229.73	-1.724	26.353	33.101	26.663	1442.4
227.0	230.76	-1.723	26.355	33.102	26.664	1442.4
228.0	231.73	-1.722	26.356	33.104	26.665	1442.4
229.0	232.78	-1.722	26.357	33.104	26.665	1442.4
230.0	233.80	-1.721	26.358	33.104	26.665	1442.5
231.0	234.80	-1.712	26.367	33.105	26.666	1442.5
232.0	235.82	-1.705	26.374	33.106	26.667	1442.6
233.0	236.86	-1.705	26.376	33.108 33.108	26.668 26.668	1442.6
234.Ø 235.Ø	237.84	-1.700 -1.692	26.38Ø 26.388	33.110	26.669	1442.7
236.0	239.89	-1.690	26.391	33.111	26.670	1442.7
237.0	240.87	-1.685	26.395	33.111	26.669	1442.7
238.0	241.87	-1.683	26.398	33.113	26.671	1442.8
239.0	242.90	-1.681	26.402	33.114	26.672	1442.8
240.0	243.93	-1.676	26.407	33.115	26.673	1442.8
241.0	244.96	-1.672	26.412	33.117	26.675	1442.9
242.0	245.95	-1.669	26.416	33.119	26.676	1442.9
243.0	246.94	-1.668	26.418	33.120	26.676	1442.9
244.0	247.98	-1.667	26.419	33.120	26.677 26.677	1443.Ø 1443.Ø
245.Ø 246.Ø	249.Ø1 250.Ø2	-1.667 -1.666	26.42Ø 26.422	33.120 33.121	26.677	1443.0
247.0	251.01	-1.664	26.423	33.121	26.677	1443.0
248.0	252.01	-1.664	26.424	33.121	26.678	1443.0
249.0	253.05	-1.665	26.424	33.121	26.678	1443.1
250.0	254.10	-1.664	26.425	33.122	26.678	1443.1
251.0	255.10	-1.664	26.426	33.122	26.678	1443.1
252.0	256.07	-1.663	26.427	33.122	26.678	1443.1
253.0	257.10	-1.662	26.429	33.122	26.679	1443.1
254.0	258.14	-1.662	26.429	33.122	26.678	1443.2
255.0	259.17	-1.662	26.429	33.122	26.678	1443.2
256.Ø	260.14	-1.661	26.431 26.432	33.123 33.123	26.679 26.679	1443.2
257.Ø 258.Ø	261.15 262.18	-1.661 -1.661	26.432	33.123	26.679	1443.2
259.0	263.22	-1.661	26.433	33.123	26.679	1443.2
260.0	264.20	-1.66Ø	26.434	33.123	26.679	1443.3
261.0	265.21	-1.660	26.435	33.123	26.679	1443.3
262.0	266.25	-1.661	26.435	33.123	26.679	1443.3
263.0	267.27	-1.659	26.437	33.123	26.679	1443.3
264.0	268.25	-1.658	26.438	33.124	26.680	1443.3

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø 268.Ø 269.Ø	269.26 270.33 271.31 272.31 273.33	-1.658 -1.658 -1.659 -1.658	26.438 26.439 26.439 26.439 26.441	33.124 33.124 33.124 33.124 33.124	26.68Ø 26.68Ø 26.68Ø 26.68Ø 26.68Ø	1443.4 1443.4 1443.4 1443.4



CRUISE 15-77-021 CROZIER \$TRAIT-77 SITE C(6)B EXPERIMENT 3018

LAT.N. 75-29-49 LONG.W. 97-02-56 DATE 030477 G.M.T. 2323

U.T.M. ZONE 14 8379694 N 554524 E DEPTH INCR 1.00 WATER DEPTH 271 M

DEPTH PRESSURE TEMP COND SALINITY SIGNAT SOUND (M/SEC)

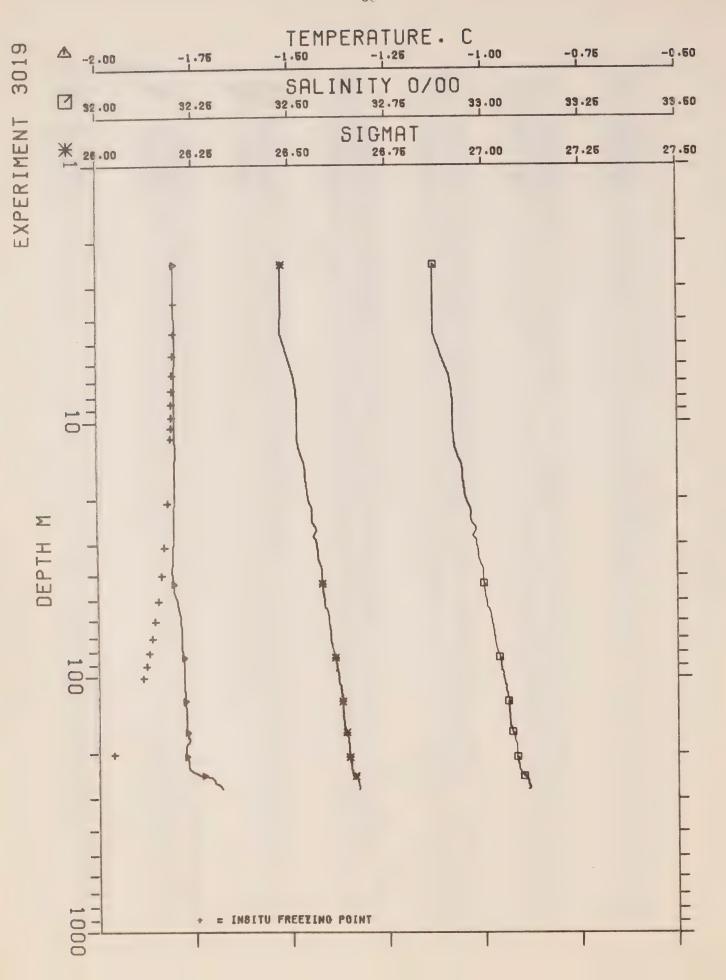
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/88)		(M/SEC)
2.6	2.37	-1.803	26.031	32.877	26.483	1437.9
3.0	3.42	-1.802	26.031	32.874	26.480	1438.0
4.0	4.47	-1.801	26.031	32.873	26.480	1438.0
5.0	5.49	-1.801	26.032	32.874	26.480	1438.0
6.0	6.52	-1.802	26.034	32.877	26.483	1438.0
7.0	7.57	-1.802	26.035	32.878	26.484	1438.0
8.0	8.57	-1.802	26.040	32.884	26.488	1438.1
9.0	9.55	-1.801	26.042	32,886	26.490	1438.1
10.0	10.61	-1.801	26.042	32.885	26.489	1438.1
11.0	11.63	-1.801	26.847	32.891 32.892	26.494 26.494	1438.1
12.Ø 13.Ø	12.62 13.67	-1.800 -1.800	26.Ø48 26.Ø49	32.893	26.495	1438.2
14.0	14.67	-1.800	26.056	32.900	26.502	1438.2
15.0	15.66	-1.799	26.059	32.904	26.504	1438.2
16.0	16.72	-1.800	26.068	32.917	26.515	1438.3
17.0	17.71	-1.800	26.075	32.926	26.522	1438.3
18.0	18.71	-1.801	26.079	32.931	26.527	1438.3
19.Ø	19.78	-1.801	26.080	32.932	26.528	1438.3
20.0	20.74	-1.800	26.082	32.934	26.529	1438.3
21.0	21.76	-1.800	26.083	32.934	26.529	1438.4
22.0	22.78	-1.800	26.083	32.935	26.529	1438.4
23.0	23.76	-1.800	26.085	32.936 32.937	26.53Ø 26.531	1438.4
24.8	24.83	-1.800	26.Ø86 26.Ø89	32.940	26.534	1438.4
25.Ø 26.Ø	25.81 26.83	-1.799 -1.799	26.094	32.945	26.538	1438.5
27.0	27.85	-1.797	26.103	32.956	26.546	1438.5
28.0	28.85	-1.798	26.107	32.962	26.551	1438.5
29.0	29.90	-1.798	26.111	32.965	26.554	1438.6
30.0	3Ø.94	-1.796	26.115	32.969	26.557	1438.6
31.0	31.88	-1.796	26.118	32.973	26.560	1438.6
32.0	32.93	-1.796	26.119	32.973	26.560	1438.6
33.0	33.96	-1.796	26.120	32.974	26.561	1438.6
34.0	34.95	-1.796	26.121	32.975	26.562	1438.7
35.0	35.94	-1.797	26.122	32.976	26.563 26.563	1438.7
36.0	36.99	-1.797	26.122 26.130	32.976 32.986	26.571	1438.7
37.0	38.63 39.60	-1.797 -1.797	26.130	32.986	26.571	1438.7
38.Ø 39.Ø	40.03	-1.797	26.132	32.989	26.573	1438.8
40.0	41.07	-1.797	26.134	32.990	26.574	1438.8
41.0	42.08	-1.797	26.136	32.992	26.576	1438.8
42.0	43.06	-1.796	26.137	32.993	26.577	1438.8
43.0	44.11	-1.795	26.142	32.998	26.580	1438.8
44.0	45.13	-1.793	26.146	33.001	26, 583	1438.9
45.0	46.10	-1.793	26.149	33.005	26.586 26.587	1438.9 1438.9
46.0	47.14	-1.794	26.150	33.006 33.006	26.587	1438.9
47.0	48.17	-1.793	26.151 26.152	33.007	26.588	1438.9
48.Ø 49.Ø	49.14 50.17	-1.793 -1.793	26.152	33.007	26.587	1439.0
50.0	51.22	-1.793	26.153	33.007	26.588	1439.0
51.0	52.19	-1.793	26.153	33.006	26.587	1439.0
52.0	53.21	-1.793	26.155	33.008	26.588	1439.0
53.0	54.26	-1.793	26.156	33.009	26.589	1439.0
54.0	55.23	-1.793	26.157	33.009	26.590	1439.1
55.0	56.25	-1.793	26.159	33.011	26.591	1439.1
56.0	57.29	-1.793	26.159	33.012	26.592 26.594	1439.1
57.0	58.28	-1.793	26.162	33.Ø15 33.Ø16	26.595	1439.1
58.0	59.33	-1.793	26.163 26.163	33.016	26.595	1439.1
59.Ø	6Ø.36	-1.793 -1.794	26.164	33.017	26.596	1439.2
60.0 61.0	61.34	-1.794	26.165	33.017	26.596	1439.2
62.0	63.38	-1.793	26.167	33.019	26.597	1439.2
63.0	64.35	-1.793	26.169	33.021	26.599	1439.2

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/88)		(M/SEC)
			06 174	22 025	26.602	1439.2
64.0	65.40	-1.791	26.174 26.178	33.Ø25 33.Ø28	26.605	1439.3
65.Ø	66.41	-1.789 -1.789	26.179	33.029	26.606	1439.3
66.8	67.38 68.44	-1.789	26.180	33.029	26.606	1439.3
67.0	69.44	-1.789	26.180	33.029	26.606	1439.3
68.Ø 69.Ø	70.45	-1.788	26.182	33.030	26.607	1439.4
70.0	71.49	-1.786	26.185	33.032	26.608	1439.4
71.0	72.45	-1.785	26.191	33.038	26.613	1439.4
72.0	73.51	-1.785	26.193	33.039	26.614	1439.4
73.0	74.51	-1.782	26.198	33.043	26.617	1439.5
74.0	75.51	-1.782	26.199	33.044	26.617	1439.5
75.0	76.54	-1.780	26.201	33.045	26.618	1439.5 1439.5
76.0	77.52	-1.779	26.203	33.045	26.619 26.619	1439.5
77.0	78.57	-1.779 -1.779	26.2 <b>04</b> 26.2 <b>0</b> 5	33.047	26.620	1439.6
78.0	79.57 8Ø.57	-1.779	26.206	33.047	26.620	1439.6
79.0 80.0	81.60	-1.778	26.207	33.047	26.620	1439.6
81.0	82.59	-1.778	26.209	33.Ø48	26.621	1439.6
82.0	83.65	-1.777	26.210	33.049	26.622	1439.6
83.0	84.64	-1.777	26.211	33.050	26.622	1439.7
84.0	85.67	-1.776	26.212	33.050	26.623	1439.7
85.0	86.68	-1.776	26.214	33.051	26.623	1439.7
86.0	87.68	-1.776	26.215	33.052	26.624	1439.7
87.U	88.73	-1.775	26.216	33.052	26.624	1439.7
88.0	89.69	-1.776	26.217	33.Ø53 33.Ø53	26.625 26.625	1439.8
89.0	90.74	-1.775 -1.775	26.218 26.218	33.053	26.625	1439.8
90.0 91.0	91.72 92.79	-1.775	26.219	33.054	26.626	1439.8
92.0	93.74	-1.775	26.220	33.055	26.627	1439.8
93.0	94.81	-1.776	26.221	33.056	26.627	1439.8
94.0	95.78	-1.776	26.222	33.057	26.628	1439.9
95.0	96.83	-1.776	26.224	33.058	26.629	1439.9
96.0	97.84	-1.776	26.224	33.058	26.629	1439.9
97.0	98.82	-1.776	26.226	33.060	26.631	1439.9
98.0	99.85	-1.776	26.226	33.060	26.631	1439.9
99.0	100.85	-1.776	26.227	33.Ø61 33.Ø62	26.631 26.632	1440.0 1440.0
100.0	101.85 102.90	-1.776 -1.776	26.228 26.229	33.063	26.633	1440.0
101.0	103.87	-1.776	26.229	33.062	26.632	1440.0
103.0	104.93	-1.775	26.23Ø	33.063	26.633	1440.0
104.0	105.90	-1.775	26.230	33.061	26.631	1440.0
105.0	106.94	-1.775	26.230	33.061	26.632	1440.1
106.0	107.94	-1.775	26.233	33.063	26.633	1440.1
107.0	108.93	-1.775	26.232	33.062	26.632	1440.1
108.0	109.99	-1.775	26.232	33.062	26.632	1440.1
109.0	110.99	-1.775	26.233	33.061	26.632	1440.1
110.0	111.98	-1.775	26.234 26.234	33.063	26.633 26.633	1440.1
111.0	113.02	-1.775 -1.774	26.236	33.Ø63 33.Ø64	26.634	1440.2
112.Ø 113.Ø	114.Ø2 115.Ø1	-1.774	26.236	33.063	26.633	1440.2
114.0	116.06	-1.774	26.237	33.Ø64	26.633	1440.2
115.0	117.07	-1.774	26.236	33.062	26.632	1440.2
116.0	118.05	-1.774	26.239	33.066	26.635	1440.2
117.0	119.11	-1.774	26.240	33.066	26.635	1440.3
118.0	120.10	-1.774	26.241	33.067	26.636	1440.3
119.0	121.12	-1.774	26.241	33.067	26.636	1440.3
120.0	122.15	-1.775	26.241	33.068	26.637	1440.3
121.0	123.11	-1.775	26.242	33.068	26.637	1440.3
122.0	124.15 125.18	-1.776 -1.776	26.242 26.243	33.Ø68 33.Ø69	26.637 26.637	1440.4
123.Ø 124.Ø	126.16	-1.776	26.243	33.068	26.637	1440.4
125.0	127.21	-1.776	26.244	33.069	26.637	1440.4
126.0	128.19	-1.776	26.244	33.069	26.637	1440.4
127.0	129.22	-1.776	26.244	33.069	26.638	1440.4
128.0	130.26	-1.776	26.245	33.069	26.638	1440.4
129.0	131.22	-1.776	26.245	33.069	26.638	1440.5
130.0	132.27	-1.777	26.246	33.069	26.638	1440.5

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DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
131.0	133.28	-1.777	26.246	33.069	26.638	1448.5
132.0	134.27	-1.777	26.247	33.070	26.638	1440.5
133.0	135.33	-1.777	25.247	33.070	26.639	1448.5
134.0	136.3Ø 137.33	-1.777 -1.777	26.248 26.248	33.Ø7Ø 33.Ø71	26.639 26.639	1440.5
136.0	138.35	-1.777	26.249	33.071	26.639	1440.6
137.0	139.33	-1.777	26.250	33.071	26.639	1448.6
138.0	140.39	-1.776	26.251	33.071	26.639	1440.6
139.0	141.36	-1.776 -1.776	26.251 26.252	33.Ø71 33.Ø71	26.639 26.639	144Ø.6 144Ø.6
140.0	142.40	-1.775	26.254	33.071	26.640	1440.0
142.0	144.41	-1.776	26.254	33.073	26.641	1448.7
143.8	145.46	-1.777	26.254	33.073	26.641	1440.7
144.0	146.45	-1.778	26.255	33.075	26.642	1440.7
145.0	147.46 148.49	-1.776 -1.774	26.257 26.259	33.Ø75 33.Ø76	26.643 26.643	1440.7
146.0 147.0	149.46	-1.774	26.268	33.076	26.644	1440.8
148.0	150.52	-1.773	26.261	33.077	26.644	1440.8
149.0	151.49	-1.773	26.262	33.077	26.644	1440.8
150.0	152.55	-1.773	26.263	33.077	26.644	1440.8 1440.8
151.0 152.0	153.54 154.55	-1.774 -1.774	26.263 26.263	33.Ø77 33.Ø77	26.645 26.644	1440.8
153.0	155.60	-1.775	26.264	33.079	26.645	1440.9
154.0	156.57	-1.774	26.265	33.078	26.645	1440.9
155.Ø	157.63	-1.775	26.265	33.078	26.645	1440.9
156.0	158.58	-1.773	26.267 26.27Ø	33.Ø8Ø 33.Ø8Ø	26.646 26.647	144Ø.9 1441.Ø
157.Ø 158.Ø	159.64 160.62	-1.771 -1.77Ø	26.271	33.080	26.646	1441.0
159.0	161.66	-1.770	26.271	33.080	26.647	1441.0
160.0	162.65	-1.770	26.272	33.080	26.646	1441.0
161.0	163.78	-1.778	26.272	33.080	26.647	1441.0
162.0	164.68	-1.77Ø -1.77Ø	26.272 26.273	33.Ø8Ø 33.Ø8Ø	26.647 26.647	1441.1
163.Ø 164.Ø	165.73 166.7Ø	-1.770	26.273	33.080	26.647	1441.1
165.0	167.73	-1.770	26.274	33.080	26.647	1441.1
166.0	168.73	-1.778	26.274	33.080	26.647	1441.1
167.0	169.76	-1.770	26.275	33.081	26.647 26.647	1441.1
168.0 169.0	17Ø.75 171.8Ø	-1.77Ø -1.77Ø	26.275 26.276	33.080 33.081	26.647	1441.2
170.0	172.79	-1.771	26.276	33.081	26.647	1441.2
171.0	173.82	-1.773	26.275	33.Ø81	26.648	1441.2
172.0	174.80	-1.772	26.276	33.081	26.647	1441.2
173.0	175.83 176.86	-1.773 -1.774	26.276 26.276	33.Ø82 33.Ø82	26.648 26.648	1441.2
174.Ø 175.Ø	177.83	-1.774	26.276	33.081	26.648	1441.3
176.0	178.88	-1.774	26.277	33.082	26.648	1441.3
177.0	179.87	-1.774	26.277	33.082	26.648	1441.3
178.0	180.89	-1.774	26.278	33.082	26.648 26.648	1441.3
179.Ø 18Ø.Ø	181.93 182.88	-1.774 -1.773	26.278 26.279	33.Ø82 33.Ø82	26.648	1441.3
181.0	183.96	-1.774	26.279	33.082	26.648	1441.4
182.0	184.93	-1.773	26.280	33.082	26.648	1441.4
183.0	185.95	-1.773	26.281	33.082	26.648	1441.4
184.0	187.01	-1.773	26.282 26.282	33.Ø82 33.Ø82	26.648 26.648	1441.4
185.Ø 186.Ø	187.96 18 <b>9.</b> 04	-1.773 -1.773	26.283	33.082	26.648	1441.4
187.0	190.00	-1.772	26.283	33.082	26.649	1441.5
188.0	191.05	-1.773	26.284	33.082	26.649	1441.5
189.0	192.04	-1.772	26.284 26.284	33.Ø82 33.Ø83	26.649 26.649	1441.5
190.0 191.0	193.04 194.07	-1.773 -1.773	26.285	33.083	26.649	1441.5
192.0	195.07	-1.773	26.285	33.083	26.649	1441.5
193.0	196.12	-1.773	26.286	33.083	26.649	1441.6
194.0	197.08	-1.773	26.286	33.083	26.649 26.649	1441.6
195.0	198.15	-1.773 -1.773	26.287 26.287	33.Ø83 33.Ø83	26.649	1441.6
196.Ø 197.Ø	199.12 200.16	-1.773	26.287	33.083	26.649	1441.6
237.0	222.20					

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND (M/SEC)
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC/
198.0	201.18	-1.773	26.288	33.083	26.649	1441.6
199.0	202.16	-1.772	26.289	33.083	26.649	1441.7
200.0	203.20	-1.772	26.289	33.083	26.649	1441.7
201.0	204.18	-1.772	26.290	33.083	26.649	1441.7
202.0	205.24	-1.772	26.291	33.083	26.649	1441.7
203.0	206.21	-1.772	26.291	33.Ø84 33.Ø83	26.649 26.649	1441.7
204.0	207.26	-1.772 -1.772	26.292 26.292	33.084	26.649	1441.8
205.0	208.23 209.29	-1.772	26.293	33.084	26.649	1441.8
206.0 207.0	210.26	-1.773	26.293	33.084	26.650	1441.8
208.0	211.32	-1.773	26.294	33.085	26.651	1441.8
209.0	212.29	-1.773	26.294	33.085	26.651	1441.8
210.0	213.32	-1.773	26.295	33.085	26.651	1441.8
211.0	214.35	-1.773	26.295	33.085	26.651 26.651	1441.9
212.0	215.33	-1.773	26.296 26.296	33.Ø85 33.Ø85	26.651	1441.9
213.0	21 <b>6.3</b> 8 217.36	-1.773 -1.773	26.297	33.086	26.651	1441.9
214.Ø 215.Ø	218.41	-1.773	26.298	33.086	26.652	1441.9
216.0	219.38	-1,773	26.298	33.086	26.652	1441.9
217.0	220.45	-1.773	26.299	33.087	26.652	1442.0
218.0	221.42	-1.771	26.302	33.088	26.653	1442.0
219.0	222.48	-1.770	26.304	33.089	26.654	1442.0
220.0	223.43	-1.768	26.306	33.089	26.654	1442.0
221.0	224.50	-1.766	26.308	33.Ø9Ø 33.Ø9Ø	26.654 26.655	1442.1
222.0	225.47	-1.765 -1.764	26.31Ø 26.311	33.090	26.655	1442.1
223.0	226.51 227.49	-1.764	26.312	33.091	26.655	1442.1
224.Ø 225.Ø	228.54	-1.761	26.316	33.091	26.656	1442.2
226.0	229.51	-1.755	26.321	33.092	26.656	1442.2
227.0	230.58	-1.753	26.324	33.093	26.656	1442.2
228.0	231.54	-1.750	26.327	33.094	26.658	1442.3
229.0	232.61	-1.748	26.330	33.094	26.658	1442.3
230.0	233.56	-1.744	26.334	33.096 33.101	26.659 26.663	1442.4
231.0	234.62	-1.735 -1.726	26.345 26.353	33.101	26.663	1442.5
232.Ø 233.Ø	235.58 236.67	-1.726	26.354	33.102	26.663	1442.5
234.0	237.61	-1.725	26.355	33.102	26.663	1442.5
235.0	238.66	-1.723	26.358	33.104	26.665	1442.5
236.0	239.65	-1.723	26.356	33.098	26.660	1442.5
237.0	240.70	-1.722	26.361	33.104	26.665	1442.6
238.0	241.66	-1.722	26.361	33.1Ø4 33.1Ø5	2 <b>6.</b> 665 26.666	1442.6
239.0	242.71	-1.722 -1.721	26.362 26.364	33.105	26.666	1442.6
240.0	243.7Ø 244.7Ø	-1.720	26.364	33.105	26.666	1442.6
242.0	245.75	-1.720	26.365	33.105	26.666	1442.7
243.0	246.72	-1.719	26.367	33.106	26.666	1442.7
244.0	247.74	-1.719	26.367	33.106	26.666	1442.7
245.0	248.78	-1.718	26.369	33.106	26.667	1442.7
246.0	249.75	-1.715	26.372	33.106	26.667	1442.7
247.0	250.81	-1.713	26.374 26.377	33.107 33.108	26.668 26.668	1442.8
248.0	251.78 25 <b>2.8</b> 1	-1.712 -1.71Ø	26.378	33.108	26.668	1442.8.
249.Ø 25Ø.Ø	253.84	-1.709	26.380	33.109	26.668	1442.8
251.Ø	254.80	-1.709	26.381	33.108	26.668	1442.9
252.0	255.85	-1.708	26.382	33.109	26.669	1442.9
253.0	256.87	-1.701	26.390	33.111	26.671	1442.9
254.0	257.84	-1.697	26.393	33.111	26.670	1443.0
255.Ø	258.85	-1.693	26.398	33.114	25.672	1443.Ø 1443.Ø
256.0	259.89	-1.691	26.400 26.407	33.113 33.115	26.672 26.673	1443.1
257.Ø 258.Ø	26Ø.91 261.89	-1.684 -1.684	26.408	33.116	26.674	1443.1
259.0	262.88	-1.677	26.418	33.120	26.677	1443.2
260.0	263.90	-1.672	26.422	33.120	26.677	1443.2
261.0	264.92	-1.670	26.425	33.121	26.677	1443.2
262.0	265.95	-1.668	26.426	33.120	26.677	1443.3
263.0	266.96	-1.668	26.426	33.120	26.677	1443.3
264.0	267.97	-1.666	26.429	33.121	26.677	1443.3

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.0 266.0 267.0 268.0 269.0 270.0	268.98 269.98 270.98 271.98 272.98 273.59	-1.666 -1.667 -1.665 -1.665 -1.665	26.429 26.430 26.431 26.432 26.433 26.430	33.121 33.121 33.121 33.121 33.122 33.117	26.677 26.678 26.678 26.678 26.678 26.674	1443.3 1443.4 1443.4 1443.4 1443.4



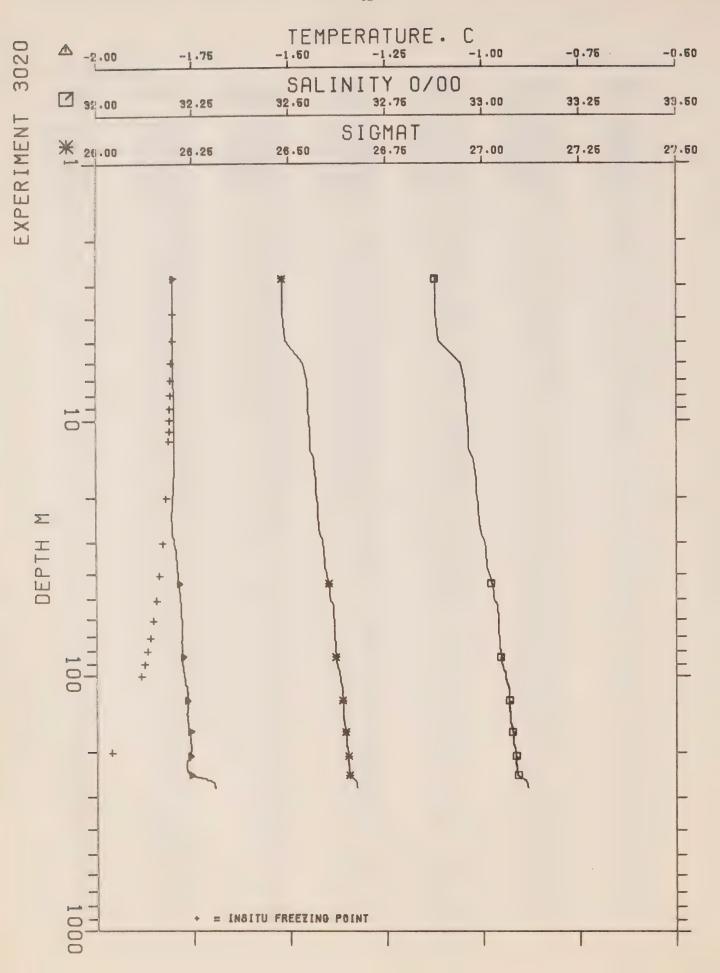
CRUISE	15-77-021	CROZIER STR	AIT-77	SITE C(6)B	EXPE	RIMENT 3Ø19
LAT-N.	75-29-49	LONG.W. 97-	02-56	DATE Ø4Ø477		G.M.T. ØØ25
U.T.M.	ZONE 14 837	9694 N 554	524 E	DEPTH INCR 1.00	WATER	DEPTH 271 M
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (0/00)	SIGMAT	SOUND (M/SEC)
M) 2.884.8856.8889.884.8856.8889.88111.889.8889.888111.889.8889.88	(DBARS)  2.451 4.598 6.622 6.642 10.683 14.776 112.673 114.776 118.885 129.996 131.781 1202 121.8885 1222 131.995 131.8885 1222 1331 1331 1351 140 140 140 140 140 140 140 150 150 160 160 160 160 160 160 160 160 160 16	OEG.C) -1.800 -1.799 -1.7998 -1.7999 -1.7999 -1.7999 -1.7999 -1.7999 -1.7999 -1.8000 -1.8000 -1.8001 -1.8002 -1.8002 -1.8003 -1.8004 -1.8003 -1.8004 -1.8003 -1.8004 -1.8007 -1.8006 -1.8007 -1.8007 -1.8007 -1.8007 -1.8007 -1.8003 -1.8007 -1.8003 -1.8007 -1.8007 -1.8003 -1.8007 -1.8007 -1.8003 -1.8007	(MMHO) 26.0230 26.0330 26.0330 26.0330 26.0363 26.0668 26.0668 26.0673 26.0873 26.0888 26.0898 26.0998 26.1046 26.115 26.1166 26.117 26.117 26.1121 26.1121 26.1121 26.1121 26.1121 26.1121 26.1121 26.1121 26.1121 26.1121 26.1121 26.1131 326.1331 26.1331 26.1331 26.1331 26.1341 26.1341 26.1355 26.1355 26.1355 26.1368	(Ø/ØØ) 32.871 32.869 32.8899 32.919 32.919 32.920 32.920 32.921 32.921 32.924 32.921 32.924 32.931 32.944 32.9557 32.966 32.9667 32.9567 32.9667 32.9583 32.9883	26.47762286.551778936676789886677888222222222222222222222222	(M/SEC)  1438.0 1438.0 1438.1 1438.1 1438.1 1438.1 1438.2 1438.2 1438.2 1438.3 1438.3 1438.3 1438.3 1438.4 1438.4 1438.4 1438.5 1438.5 1438.5 1438.5 1438.6 1438.6 1438.6 1438.7 1438.7 1438.7 1438.7 1438.7 1438.7 1438.7 1438.7 1438.8 1438.8 1438.8 1438.9 1439.0 1439.0 1439.1 1439.1
56.0 57.0 58.0	57.31 58.29 59.36	-1.785 -1.785 -1.785	26.171 26.171 26.172	33.019 33.018 33.019	26.597 26.597 26.597	1439.1 1439.2 1439.2
59.0 60.0 61.0	60.33 61.36 62.35	-1.785 -1.785 -1.784	26.172 26.173 26.176	33.019 33.020 33.022	26.598 26.598 26.600	1439.2 1439.2 1439.2
62.Ø 63.Ø	63.38	-1.783 -1.783	26.177 26.179	33.Ø22 33.Ø24	26.600 26.601	1439.2

						0011110
DEPTH	PRESSURE	TEMP	COND	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
(M)	(DBARS)	(DEG.C)	(MMHO)	(10/10/07		(11) 520)
	65 00	-1.782	26.181	33.025	26.602	1439.3
64.0	65.38 66.41	-1.782	26.182	33.025	26.603	1439.3
65.0	67.39	-1.782	26.182	33.026	26.603	1439.3
66.0 67.0	68.44	-1.782	26.183	33.026	26.603	1439.3
68.0	69.40	-1.783	26.183	33.026	26.603	1439.4
69.0	70.46	-1.783	26.184	33.027	26.604	1439.4
70.0	71.43	-1.782	26.184	33.027	26.603	1439.4
71.0	72.48	-1.783	26.185	33.027	26.604	1439.4
72.0	73.48	-1.782	26.187	33.028	26.605	1439.4
73.0	74.49	-1.782	26.188	33.029	26.606	1439.4
74.0	75.51	-1.782	26.188	33.030	26.606	1439.5 1439.5
75.Ø	76.48	-1.782	26.189	33.030	26.606 26.607	1439.5
76.0	77.54	-1.782	26.191	33.031	26.608	1439.5
77.0	78.49	-1.781	26.193	33.Ø33 33.Ø34	26.610	1439.5
78.0	79.56	-1.781	26.195 26.196	33.035	26.610	1439.6
79.Ø	80.53	-1.780	26.199	33.038	26.613	1439.6
80.0	81.56	-1.78Ø -1.779	26.201	33.039	26.614	1439.6
81.0	82.57	-1.779	26.202	33.039	26.614	1439.6
82.0	83.57	-1.778	26.203	33.040	26.614	1439.6
83.0	84.6Ø 85.57	-1.777	26.205	33.041	26.615	1439.7
84.0	86.63	-1.778	26.206	33.042	26.616	1439.7
85.Ø 86.Ø	87.61	-1.778	26.206	33.042	26.616	1439.7
87.Ø	88.63	-1.778	26.207	33.043	26.617	1439.7
88.0	89.66	-1.778	26.207	33.Ø43	26.617	1439.7
89.0	90.61	-1.778	26.208	33.044	26.617	1439.7
90.0	91.67	-1.778	26.210	33.045	26.618	1439.8
91.0	92.67	-1.777	26.212	33.Ø46	26.619	1439.8
92.0	93.66	-1.777	26.209	33.042	26.616	1439.8
93.0	94.71	-1.778	26.213	33.048	26.621	1439.8
94.0	95.68	-1.777	26.214	33.048	26.621	1439.8
95.0	96.73	-1.777	26.216	33.050	26.622	1439.9
96.0	97.74	-1.777	26.215	33.047	26.620	1439.9
97.0	98.69	-1.777	26.217	33.050	26.622 2 <b>6.</b> 621	1439.9
98.0	99.74	-1.777	26.217	33.049	26.622	1439.9
99.0	100.75	-1.777	26.218 26.218	33.049 33.050	26.623	1439.9
100.0	101.72	-1.777	26.219	33.051	26.623	1440.0
101.0	102.78	-1.778 -1.778	26.220	33.051	26.623	1440.0
102.0	103.76 104.77	-1.778	26.220	33.052	26.624	1440.0
103.0 104.0	105.79	-1.778	26.221	33.051	26.624	1440.0
105.0	106.77	-1.777	26.222	33.052	26.624	1440.0
106.0	107.82	-1.777	26.226	33.056	26.627	1440.1
107.0	108.78	-1.776	26.227	33.Ø57	26.628	1440.1
108.0	109.84	-1.776	26.228	33.057	26.628	1440.1
109.0	110.80	-1.776	26.227	33.056	26.627	
110.0	111.86	-1.776	26.227	33.056	26.627	1440.1
111.0	112.83	-1.776	26.230	33.058	26.629	1440.1
112.0	113.89	-1.776	26.228	33.055	26.627	1440.2
113.0	114.84	-1.776	26.231	33.058	26.628	1440.2
114.0	115.90	-1.775	26.233	33.060	26.630	1440.2
115.0	116.86	-1.775	26.233	33.059	26.629	1440.2
116.0	117.93	-1.775	26.235	33.061	26.631 26.629	1440.2
117.0	118.88	-1.775	26.233 26.234	33.Ø58 33.Ø59	26.630	1440.3
118.0	119.94	-1.775 -1.775	26.237	33.062	26.632	1448.3
119.0	120.92 121.95	-1.775	26.239	33.064	26.634	1448.3
120.0	122.93	-1.775	26.238	33.062	26.632	1440.3
121.Ø 122.Ø	123.95	-1.775	26.238	33.062	26.632	1440.3
123.0	124.97	-1.775	26.239	33.063	26.633	1440.4
124.0	126.00	-1.775	26.240	33.063	26.633	1440.4
125.0	127.01	-1.775	26.240	33.063	26.633	1440.4
126.0	127.98	-1.775	26.241	33.063	26.633	1440.4
127.0	129.03	-1.775	26.241	33.063	26.633	1440.4
128.0	129.99	-1.774	26.242	33.062	26.632	1440.4
129.0	131.04	-1.773	26.243	33.063	26.633	1440.5
130.0	132.03	-1.773	26.244	33.063	26.633	1440.5

					LATERI	MENI SEIS
DEPTH (M)	PRESSURE (DBARS)	TEMP	COND	SALINITY	SIGMAT	SOUND
( M )	(UDAKS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
131.6	133.04	-1.773	26.245	33.064	26.633	1440.5
132.0	134.06	-1.773	26.245	33.064	26.634	1440.5
133.0	135.05	-1.773	26.246	33.064	26.633	1440.5
134.0	136.11	-1.773	26.246	33.064	26.634	1440.5
135.0	137.56	-1.773	26.247	33.064	26.633	1440.6
136.0	138.13	-1.773	26.247	33.Ø64	26.634	1440.6
137.0	139.10	-1.773	26.248	33.064	26.633	1440.6
138.0	140.12	-1.773	26.248	33.064	26.633	1440.6
139.0	141.14	-1.773	26.249	33.064	26.634	1440.6
140.0	142.15	-1.773	26.249	33.064	26.634	1440.6
141.0	143.18	-1.773	26.250	33.064	26.634	1440.7
142.Ø 143.Ø	144.14	-1.773 -1.773	26.25Ø 26.251	33.064	26.633	1440.7
144.0	145.19	-1.773	26.251	33.Ø64 33.Ø64	26.634 26.634	1440.7
145.0	147.21	-1.772	26.252	33.064	26.634	1440.7
146.0	148.22	-1.773	26.252	33.Ø65	26.634	1440.7
147.8	149.21	-1.772	26.253	33.864	26.634	1440.8
148.0	150.26	-1.773	26.254	33.065	26.634	1440.8
149.0	151.23	-1.773	26.254	33.065	26.635	1440.8
150.0	152.27	-1.772	26.255	33.065	26.635	1440.8
151.0	153.27	-1.772	26.256	33.066	26.635	1440.8
152.0	154.26	-1.772	26.256	33.066	26.635	1440.9
153.0	155.31	-1.773	26.256	33.066	26.635	1440.9
154.0	156.29	-1.773	26.258	33.068	26.637	1440.9
155.0	157.33	-1.773	26.259	33.068	26.637	1440.9
156.0	158.33	-1.773	26.258	33.067	26.636	1440.9
157.0	159.30 160.38	-1.773 -1.773	26.26Ø 26.261	33.069	26.637 26.638	1440.9 1441.0
158.Ø 159.Ø	161.35	-1.773	26.261	33.069 33.070	26.638	1441.0
160.0	162.38	-1.773	26.262	33.070	26.638	1441.0
161.0	163.40	-1.773	26.263	33.070	26.638	1441.0
162.0	164.39	-1.772	26.265	33.072	26.640	1441.0
163.0	165.40	-1.771	26.267	33.073	26.641	1441.0
164.0	166.43	-1.771	26.268	33.074	26.642	1441.1
165.0	167.43	-1.770	26.271	33.076	26.643	1441.1
166.0	168.42	-1.769	26.273	33.076	26.643	1441.1
167.0	169.45	-1.769	26.273	33.076	26.644	1441.1
168.0	170.47	-1.768	26.274	33.077	26.644	1441.2
169.0	171.45	-1.769	26.274	33.077	26.644	1441.2
170.0	172.48	-1.770	26.274	33.077	26.644	1441.2
171.Ø 172.Ø	173.49 174.48	-1.766 -1.765	26.277 26.278	33.Ø77 33.Ø77	26.644 26.644	1441.2
173.0	175.51	-1.765	26.279	33.077	26.644	1441.3
174.0	176.51	-1.765	26.280	33.077	26.644	1441.3
175.0	177.52	-1.765	26.28Ø	33.078	26.645	1441.3
176.0	178.55	-1.767	26.280	33.078	26.645	1441.3
177.0	179.52	-1.768	26.280	33.079	26.645	1441.3
178.0	180.57	-1.769	26.281	33.080	26.647	1441.3
179.0	181.55	-1.770	26.280	33.080	26.647	1441.3
180.0	182.57	-1.771	26.280	33.081	26.648	1441.3
181.0	183.57	-1.772	26.280	33.081	26.648	1441.4
182.0	184.57	-1.773	26.280	33.082	26.648	1441.4
183.0	185.63	-1.774	26.280	33.082	26.648	1441.4
184.0	186.60	-1.775	26.279	33.082	26.648 26.648	1441.4
185.0	187.65	-1.775	26.28Ø 26.281	33.082 33.082	26.648	1441.4
186.Ø 187.Ø	188.63 189.66	-1.775 -1.775	26.281	33.082	26.648	1441.4
188.0	190.67	-1.775	26.281	33.082	26.648	1441.5
189.0	191.63	-1.775	26.281	33.082	26.648	1441.5
190.0	192.71	-1.775	26.282	33.082	26.649	1441.5
191.0	193.67	-1.775	26.282	33.082	26.649	1441.5
192.0	194.71	-1.775	26.283	33.082	26.649	1441.5
193.0	195.71	-1.775	26.283	33.083	26.649	1441.5
194.0	196.72	-1.775	26.284	33.082	26.648	1441.6
195.0	197.76	-1.775	26.284	33.082	26.648	1441.6
196.0	198.72	-1.775	26.285	33.Ø83 33.Ø83	26.649 26.649	1441.6
197.0	199.79	-1.774	26.286	33.203	20.045	1441.0

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
198.8	200.74	-1.774	26.287	33.083	26.649	1441.6
199.0	201.79	-1.774	26.287	33.083	26.649	1441.6
200.0	202.74	-1.774	26.288	33.083	26.649	1441.7
201.0	203.79	-1.774	26.288	33.083	26.649	1441.7
202.0	204.79	-1.774	26.289	33.083	26.649	1441.7
203.0	205.83	-1.773	26.289	33.083	26.649	1441.7
284.0	206.80	-1.773	26.290	33.084	26.649	1441.7
205.0	207.83	-1.772	26.293	33.084	26.650	1441.8
206.0	208.80	-1.770	26.295 26.297	33.Ø84 33.Ø85	26.65Ø 26.651	1441.8
207.0	209.85	-1.768 -1.768	26.298	33.085	26.650	1441.8
208.0 209.0	21Ø.85 211.84	-1.768	26.299	33.Ø86	26.651	1441.8
210.0	212.90	-1.768	26.299	33.086	26.651	1441.9
211.0	213.86	-1.768	26.300	33.086	26.651	1441.9
212.0	214.88	-1.768	26.300	33.086	26.651	1441.9
213.0	215.92	-1.767	26.301	33.086	26.651	1441.9
214.0	216.87	-1.767	26.302	33.086	26.652	1441.9
215.0	217.92	-1.767	26.302	33.086	26.651	1441.9
216.0	218.92	-1.768	26.302	33.Ø87 33.Ø87	26.652 26.652	1442.0
217.0	219.92	-1.768 -1.767	26.3Ø3 26.3Ø4	33.087	26.652	1442.0
218.0	22Ø.97 221.96	-1.768	26.304	33.087	26.652	1442.0
219.0	222.93	-1.767	26.305	33.087	26.652	1442.0
221.8	224.00	-1.767	26.306	33.087	26.652	1442.1
222.0	224.97	-1.767	26.306	33.088	26.653	1442.1
223.18	225.99	-1.767	26.307	33.088	26.653	1442.1
224.8	227.01	-1.766	26.309	33.088	26.653	1442.1
225.8	227.98	-1.765	26.309	33.088	26.653	1442.1
226.Ø	229.05	-1.765	26.310	33.088	26.653	1442.1
227.0	230.02	-1.764	26.311	33.089	26.653 26.654	1442.2
228.8	231.05	-1.761 -1.76Ø	26.314 26.316	33.Ø89 33.Ø89	26.654	1442.2
229.0	232.Ø7 233.Ø4	-1.758	26.319	33.091	26.655	1442.2
231.0	234.10	-1.757	26.321	33.091	26.655	1442.3
232.0	235.07	-1.755	26.323	33.091	26.655	1442.3
233.0	236.10	-1.754	26.325	33.092	26.656	1442.3
234.0	237.10	-1.748	26.331	33.Ø94	26.657	1442.4
235.0	238.11	-1.746	26.333	33.094	26.658	1442.4
236.0	239.11	-1.743	26.337	33.096	26.659 26.66#	1442.4
237.0	240.10	-1.742 -1.741	26.339 26.341	33.097 33.097	26.660	1442.4
238.0	241.15	-1.737	26.347	33.100	26.662	1442.5
240.0	243.12		26.356	33.102	26.663	1442.6
241.0	244.17	-1.728 -1.723	26.36Ø	33.103	26.664	1442.6
242.0	245.18	-1.719	26.366	33.105	26.665	1442.7
243.0	246.15	-1.711	26.374	33.107	26.667	
244.0	247.20	-1.708	26.378	33.109	26.668	1442.7
245.0	248.20	-1.704	26.382	33.110	26.669	1442.8
246.0	249.18	-1.705	26.382	33.110	26.669 26.67Ø	1442.8
247.0	25Ø.22 251.23	-1.7Ø3 -1.7Ø2	26.385 26.386	33.111 33.111	26.670	1442.8
248.Ø 249.Ø	252.21	-1.701	26.387	33.111	26.678	1442.9
250.0	253.27	-1.700	26.389	33.112	26.671	1442.9
251.Ø	254.25	-1.700	26.390	33.112	26.671	1442.9
252.0	255.24	-1.700	26.390	33.112	26.671	1442.9
253.0	256.29	-1.700	26.391	33.112	26.671	1442.9
254.0	257.26	-1.700	26.391	33.112	26.671	1443.0
255.0	258.28	-1.700	26.392	33.113	26.671 26.671	1443.Ø 1443.Ø
256.Ø 257.Ø	259.32 260.30	-1.699 -1.698	26.393 26.395	33.113 33.113	26.672	1443.0
258.Ø	261.32	-1.695	26.398	33.114	26.672	1443.0
259.Ø	262.37	-1.692	26.401	33.114	26.673	1443.1
260.0	263.32	-1.691	26.402	33.114		1443.1
261.0	264.29	-1.690	26.404	33.115	26.673	1443.1
262.0	265.29	-1.688	26.406	33.115	26.673	1443.1
263.0	266.37	-1.685	26.410	33.116	26.674	1443.2
264.Ø	267.35	-1.684	26.411	33.116	26.674	1443.2

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø 268.Ø 269.Ø 27Ø.Ø	268.34 269.35 270.36 271.33 272.28 273.12	-1.683 -1.682 -1.682 -1.682 -1.682 -1.681	26.413 26.414 26.415 26.415 26.415 26.414	33.117 33.117 33.118 33.117 33.117 33.113	26.675 26.675 26.675 26.675 26.675 26.671	1443.2 1443.2 1443.3 1443.3 1443.3



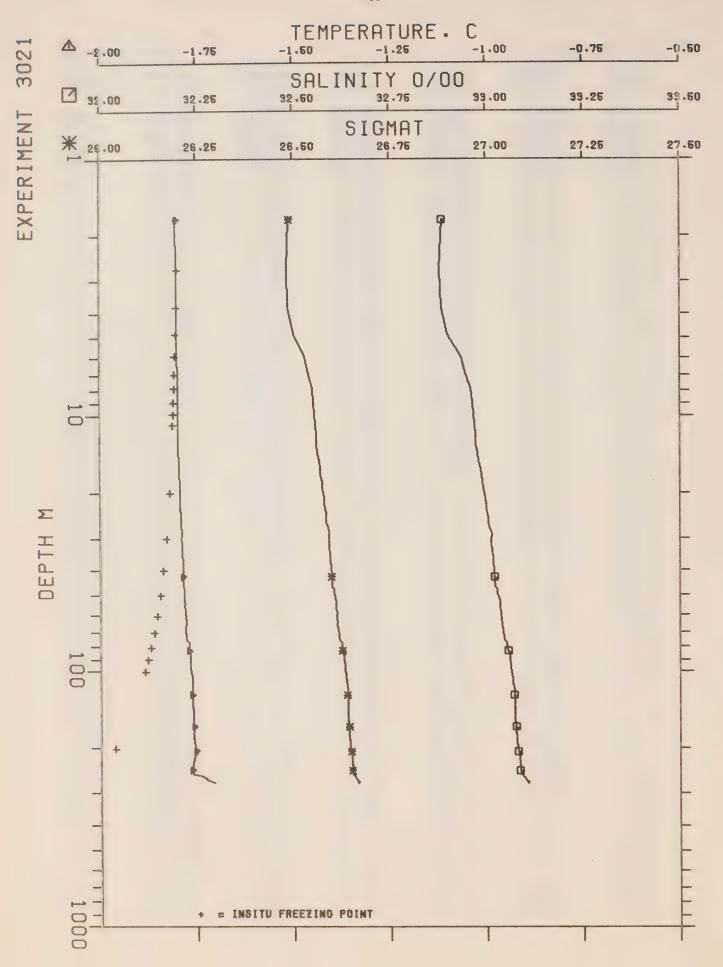
CRUISE 15-	77-#21 C	ROZIER STRAIS	r-77	SITE C(6)B	EXPERIME	NT 3Ø2Ø
LAT.N. 75-	29-49 L	ONG.W. 97-02	-56	DATE Ø4Ø477	G.M.	T. Ø144
U.T.M. ZON	E 14 83796	94 N 55452	4 E DEPT	H INCR 1.00	WATER DEPT	H 271 M
	PRESSURE (DBARS)	TEMP (DEG.C)		SALINITY (Ø/ØØ)		SOUND (M/SEC)
2.0	2.83					
3.0	3.87	-1.801 -1.801	26.033 26.034	32.877 32.877	26.482 26.483	1438.Ø 1438.Ø
4.0	4.94 6.01	-1.801 -1.800	26.040	32.886	26.49Ø 26.535	1438.0
6.0	7.02	-1.799	26.091	32.953	26.544	1438.2
7.0	8.Ø3 9.Ø6	-1.799	26.094	32.956	26.547	1438.2
8.Ø 9.Ø	10.07	-1.798 -1.798	26.Ø95 26.Ø98	32.957 32.961	26.548 26.55Ø	1438.2
1.0.0	11.09	-1.798	26.100	32.962	26.552	1438.2
11.0	12.Ø8 13.13	-1.799 -1.799	26.100	32.963 32.963	26.552	1438.2
13.0	14.11	-1.797	26.111	32.975	26.562	1438.3
14.8	15.15	-1.797	26.112	32.976	26.563	1438.3
15.Ø 16.Ø	16.16 17.18	-1.799 -1.799	26.114	32.98Ø 32.982	26.566 26.567	1438.3
17.0	18.17	-1.799	26.116	32.982	26.568	1438.4
18.0	19.20	-1.800	26.117	32.983	26.568	1438.4
19.Ø 2Ø.Ø	20.22	-1.8Ø2 -1.8Ø2	26.117	32.985 32.987	26.571 26.572	1438.4
21.0	22.25	-1.803	26.119	32.987	26.572	1438.4
22.0	23.24	-1.804	26.118	32.987	26.572	1438.4
23.Ø 24.Ø	24.29 25.25	-1.804 -1.802	26.120	32.989	26.573 26.575	1438.5
25.0	26.31	-1.802	26.125	32.992	26.576	1438.5
26.0	27.30	-1.802	26.127	32.994 32.997	26.578 26.58Ø	1438.5
27.Ø 28.Ø	28.35 29.35	-1.8Ø2 -1.798	26.129	33.002	26.584	1438.6
29.0	30.35	-1.798	26.138	33.004	26.585	1438.6
3Ø.Ø 31.Ø	31.41 32.37	-1.795 -1.793	26.143 26.145	33.006 33.007	26.587 26.588	1438.6
32.0	33.40	-1.794	26.146	33.008	26.589	1438.7
33.0	34.40	-1.792	26.148 26.15Ø	33.009	26.589 26.59Ø	1438.7
34.Ø 35.Ø	35.44 36.43	-1.791 -1.791	26.151	33.010	26.591	1438.8
36.0	37.46	-1.791	26.152	33.010	26.591	1438.8
37.Ø 38.Ø	38.47 39.47	-1.789 -1.788	26.155	33.Ø13 33.Ø15	26.593	1438.8
39.0	40.51	-1.787	26.161	33.Ø17	26.596	1438.8
40.0	41.50	-1.787	26.163	33.019	26.597	1438.9
41.0	42.54 43.51	-1.786 -1.785	26.164 26.167	33.Ø2Ø 33.Ø22	26.600	1438.9
43.0	44.57	-1.785	26.17Ø	33.025	26.602	1438.9
44.0	45.54 46.60	-1.784 -1.784	26.172	33.Ø26 33.Ø26	26.6Ø3 26.6Ø3	1439.Ø 1439.Ø
46.0	47.58	-1.784	26.173	33.025	26.603	1439.0
47.0	48.62 49.62	-1.784 -1.783	26.174	33.Ø27 33.Ø27	26.6Ø4 26.6Ø4	1439.Ø 1439.Ø
48.Ø 49.Ø	50.64	-1.782	26.178	33.030	26.606	1439.1
50.0	51.67	-1.781	26.184	33.035	26.611	1439.1
51.Ø 52.Ø	52.65 53.69	-1.78Ø -1.779	26.186 26.187	33.Ø37 33.Ø38	26.612	1439.1
53.0	54.68	-1.780	26.188	33.038	26.613	1439.1
54.Ø 55.Ø	55.74 56.71	-1.779 -1.779	26.189 26.19Ø	33.Ø39 33.Ø39	26.613	1439.2
56.Ø	57.76	-1.779	26.190	33.039	26.614	1439.2
57.Ø	58.74	-1.779	26.191	33.039	26.614	1439.2
58.Ø 59.Ø	59.79 60.79	-1.779 -1.778	26.192 26.193	33.Ø4Ø 33.Ø4Ø	26.614	1439.2
60.0	61.83	-1.778	26.193	33.040	26.614	1439.3
61.0	62.83	-1.778	26.194	33.040	26.614	1439.3
62.Ø 63.Ø	63.89 64.85	-1.778 -1.779	26.194 26.195	33.040	26.615 26.615	1439.3
0010	0,100					

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
64.Ø 65.Ø	65.85 66.85 67.88	-1.779 -1.778 -1.779	26.195 26.196 26.196	33.Ø41 33.Ø41 33.Ø41	26.615 26.615 26.615	1439.3 1439.4 1439.4
6 <b>6</b> .Ø 67.Ø 68.Ø	68.88 69.9Ø	-1.779 -1.778	26.197 26.198	33.Ø41 33.Ø41	26.615 26.615	1439.4
69.0	7Ø.92	-1.779	26.198	33.Ø42	26.616	1439.4
70.0	71.93	-1.779	26.199	33.Ø42	26.616	1439.4
71.0	72.94	-1.779	26.199	33.Ø43	26.616	1439.5
72.Ø	73.93	-1.779	26.200	33.Ø43	26.616	1439.5
73.Ø	74.99	-1.778	26.201	33.Ø43	26.617	
74.Ø	75.98	-1.778	26.2Ø1	33.Ø43	26.616	1439.5
75.Ø	77.Ø2	-1.777	26.2Ø3	33.Ø44	26.617	1439.5
76.Ø	77.98	-1.777	26.2Ø4	33.Ø44	26.617	1439.5
77.Ø	79.Ø5	-1.777	26.2Ø5	33.Ø44	26.617	1439.6
78.Ø	8Ø.Ø1	-1.777	26.2Ø5	33.Ø44	26.618	1439.6
79.Ø	81.Ø7	-1.777	26.2Ø6	33.Ø45	26.618	1439.6
80.0	82.Ø4	-1.777	26.207	33.Ø46	26.619	1439.6
81.0	83.Ø8	-1.776	26.208	33.Ø46	26.619	1439.6
82.Ø	84.09	-1.776	26.209	33.Ø46	26.619	1439.7
83.Ø	85.10	-1.776	26.209	33.Ø46	26.619	1439.7
84.Ø	86.13	-1.777	26.210	33.Ø47	26.620	1439.7
85.Ø	87.Ø9	-1.777	26.21Ø	33.Ø48	26.620	1439.7
86.Ø	88.18	-1.777	26.211	33.Ø48	26.621	1439.7
87.Ø	89.12	-1.777	26.211	33.Ø48	26.621	1439.7
88.0 89.0 90.0	9Ø.18 91.16 92.18	-1.776 -1.775 -1.775	26.213 26.216 26.218	33.049 33.051 33.053	26.622 26.623 26.624	1439.8 1439.8
91.Ø 92.Ø	93.22 94.18	-1.775 -1.774	26.218 26.22Ø	33.052 33.053	26.624 26.625	1439.8 1439.8 1439.8
93.Ø	95.26	-1.774	26.222	33.Ø55	26.627	1439.9
94.Ø	96.22	-1.774	26.224	33.Ø57	26.628	1439.9
95.Ø	97.28	-1.773	26.225	33.Ø57	26.628	1439.9
96.Ø	98.27	-1.773	26.225	33.057	26.628	1439.9
97.Ø	99.26	-1.773	26.226	33.057	26.628	1439.9
98.Ø	100.32	-1.771	26.228	33.058	26.629	1440.0
99.0 100.0 101.0	101.27 102.35 103.32	-1.771 -1.771 -1.771	26.229 26.23Ø 26.231	33.058 33.058 33.059	26.629 26.629	1440.0 1440.0
102.0 103.0	104.36 105.33	-1.77Ø -1.77Ø	26.232 26.232	33.Ø59 33.Ø6Ø	26.63Ø 26.63Ø 26.63Ø	1440.0 1440.0 1440.0
104.0	106.39	-1.77Ø	26.235	33.Ø62	26.632	1440.1
105.0	107.35	-1.769	26.236	33.Ø62	26.632	1440.1
106.0	108.42	-1.767	26.24Ø	33.Ø65	26.634	1440.1
107.0	109.38	-1.766	26.241	33.Ø64	26.633	1440.1
108.0	110.44	-1.766	26.242	33.Ø65	26.635	1440.2
109.0	111.41	-1.766	26.244	33.Ø67	26.636	1440.2
110.0	112.47	-1.765	26.245	33.Ø67	26.636	1440.2
111.0	113.44	-1.766	26.244	33.Ø66	26.635	1440.2
112.0	114.49	-1.764	26.246	33.Ø66	26.635	1440.2
113.Ø 114.Ø 115.Ø	115.45 116.51 117.49	-1.764 -1.764 -1.763	26.248 26.247 26.248	33.Ø68 33.Ø67	26.636 26.636	1440.3
116.Ø	118.53	-1.764	26.248	33.067	26.636	144Ø.3
117.Ø	119.51	-1.764		33.067	26.636	144Ø.3
118.Ø	12Ø.57	-1.763		33.067	26.636	144Ø.3
119.Ø 12Ø.Ø 121.Ø	121.54 122.60 123.57	-1.762 -1.767	26.25Ø 26.251 26.247	33.068 33.067 33.066	26.636 26.636 26.635	1440.3 1440.4 1440.4
122.Ø 123.Ø 124.Ø	124.62 125.58	-1.766 -1.767 -1.763	26.25Ø 26.249 26.252	33.Ø68 33.Ø68 33.Ø68	26.637 26.636 26.636	1440.4 1440.4 1440.4
125.Ø 126.Ø	126.64 127.61 128.64	-1.763 -1.763 -1.764	26.254 26.254 26.253	33.Ø69 33.Ø68 33.Ø68	26.637 26.637 26.637	1440.4 1440.5 1440.5
127.Ø	129.62	-1.765	26.253	33.Ø68	26.637	1440.5
128.Ø	13Ø.67	-1.765	26.254	33.Ø68	26.637	1440.5
129.Ø	131.64	-1.764	26.255	33.Ø68	26.637	1440.5
130.0	132.72	-1.764	26.256	33.Ø68	26.637	1440.5

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(0/00)		(M/SEC)
131.0	133.65	-1.765	26.256	33.069	26.637	1440.6
132.0	134.73	-1.766	26.255	33.069	26.637	1440.6
133.0	135.70	-1.765	26.256	33.068	26.637	1440.6
134.0	136.74	-1.766	26.256	33.069	26.637	1440.6
135.Ø	137.72	-1.766	26.257	33.069	26.637	1440.6
136.0	138.74	-1.765	26.257	33.069	26.638	1440.6
137.0	139.74	-1.767	26.257	33.Ø69 33.Ø69	26.638 26.638	1440.6
138.0	140.76	-1.766 -1.765	26.258 26.26Ø	33.070	26.638	1440.7
139.Ø 14Ø.Ø	141.78	-1.764	26.261	33.070	26.638	1440.7
141.0	143.82	-1.763	26.262	33.070	26.638	1440.7
142.0	144.79	-1.764	26.262	33.070	26.638	1440.7
143.0	145.85	-1.764	26.262	33.070	26.638	1440.8
144.0	146.82	-1.764	26.262	33.070	26.638	1440.8
145.8	147.85	-1.764	26.263	33.070	26.639 26.639	1440.8
146.0	148.85	-1.763 -1.764	26.265 26.264	33.071 33.070	26.639	1440.8
147.0	149.85 150.90	-1.764	26.265	33.071	26.639	1440.8
148.0	151.85	-1.762	26.267	33.071	26.639	1440.9
150.0	152.92	-1.762	26.269	33.073	26.641	1440.9
151.0	153.89	-1.762	26.269	33.073	26.641	1440.9
152.0	154.92	-1.762	26.27Ø	33.073	26.641	1440.9
153.0	155.92	-1.762	26.278	33.073	26.641	1440.9
154.0	156.92	-1.762	26.271	33.074	26.641	1441.Ø 1441.Ø
155.0	157.99	-1.763	26.271	33.Ø74 33.Ø75	26.642 26.642	1441.0
156.0	158.94	-1.762 -1.761	26.272 26.275	33.076	26.643	1441.0
157.Ø 158.Ø	160.01 160.98	-1.759	26.277	33.076	26.643	1441.8
159.0	161.99	-1.759	26.277	33.076	26.643	1441.1
160.0	163.04	-1.759	26.278	33.076	26.643	1441.1
161.0	163.99	-1.758	26.279	33.076	26.643	1441.1
162.0	165.06	-1.757	26.281	33.077	26.644	1441.1
163.0	166.04	-1.757	26.282	33.078	26.644 26.644	1441.1
164.0	167.05	-1.757	26.282 26.283	33.078 33.078	26.644	1441.2
165.0	168.Ø8 169.Ø5	-1.757 -1.757	26.283	33.078	26.644	1441.2
166.Ø 167.Ø	170.10	-1.757	26.284	33.078	26.644	1441.2
168.0	171.12	-1.757	26.284	33.Ø78	26.645	1441.2
169.0	172.08	-1.757	26.285	33.078	26.644	1441.2
170.0	173.14	-1.757	26.285	33.078	26.645	1441.3
171.0	174.10	-1.757	26.286	33.078	26.645	1441.3
172.0	175.15	-1.757	26.286	33.Ø78 33.Ø78	26.645 26.644	1441.3
173.0	176.12	-1.757 -1.757	26.287	33.078	26.645	1441.3
174.Ø 175.Ø	177.17 178.15	-1.757	26.288	33.078	26.645	1441.3
176.0	179.20	-1.757	26.288	33.078	26.645	1441.4
177.0	180.16	-1.757	26.289	33.078	26.645	1441.4
178.0	181.21	-1.757	26.289	33.078	26.645	1441.4
179.Ø	182.20	-1.756	26.289	33.078	26.644	1441.4
180.0	183.24	-1.756	26.29Ø	33.078	26.645 26.645	1441.4
181.0	184.21	-1.756	26.291 26.292	33.Ø78 33.Ø79	26.645	1441.5
182.0	185.27 186.24	-1.756 -1.756	26.292	33.079	26.645	1441.5
183.Ø 184.Ø	187.30	-1.756	26.293	33.079	26.646	1441.5
185.0	188.28	-1.755	26.294	33.080	26.646	1441.5
186.0	189.29	-1.755	26.296	33.081	26.647	1441.5
187.0	190.30	-1.754	26.297	33.082	26.648	1441.5
188.0	191.30	-1.754	26.298	33.082	26.648	1441.6
189.0	192.34	-1.754	26.299	33.082 33.082	26.648 26.648	1441.6
190.0	193.32	-1.754 -1.755	26.299 26.299	33.083	26.649	1441.6
191.Ø 192.Ø	194.37 195.34	-1.756	26.299	33.083	26.648	1441.6
193.Ø	196.40	-1.759	26.298	33.084	26.650	1441.6
194.0	197.38	-1.757	26.300	33.085	26.650	1441.7
195.0	198.42	-1.758	26.300	33.085	26.650	1441.7
196.0	199.39	-1.757	26.301	33.085	26.650	1441.7
197.0	200.44	-1.758	26.301	33.085	26.650	1441./

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
198.0	201.42	-1.758	26.3Ø1	33.085	26.65Ø	1441.7
199.0	202.46	-1.758	26.3Ø2	33.085	26.65Ø	1441.7
200.0	203.45	-1.759	26.3Ø1	33.085	26.65Ø	1441.7
201.0	204.47	-1.759	26.3Ø2	33.085	26.65Ø	1441.8
202.0	2Ø5.49	-1.759	26.302	33.085	26.65Ø	1441.8
203.0	2Ø6.49	-1.759	26.303	33.085	26.65Ø	1441.8
204.0	2Ø7.52	-1.759	26.303	33.085	26.65Ø	1441.8
205.0	2Ø8.51	-1.759	26.304	33.085	26.651	1441.8
206.0	209.55	-1.759	26.3Ø5	33.086	26.651	1441.8
207.0	210.53	-1.759	26.3Ø5	33.085	26.650	1441.9
208.0	211.58	-1.761	26.3Ø4	33.085	26.651	1441.9
209.0	212.55	-1.761	26.3Ø5	33.086	26.651	1441.9
210.0	213.58	-1.766	26.301	33.086	26.651	1441.9
211.0	214.6Ø	-1.767	26.301	33.086	26.651	1441.9
212.0	215.58	-1.767	26.301	33.086	26.651	1441.9
213.0	216.64	-1.767	26.301	33.086	26.651	1441.9
214.0	217.6Ø	-1.768	26.301	33.086	26.651	1441.9
215.0	218.65	-1.768	26.302	33.086	26.651	1442.0
216.0	219.62	-1.767	26.303	33.086	26.651	1442.0
217.0	22Ø.67	-1.767	26.303	33.086	26.651	1442.0
218.0	221.67	-1.767	26.3Ø4	33.086	26.652	1442.Ø
219.0	222.69	-1.767	26.3Ø4	33.086	26.651	1442.Ø
220.0	223.71	-1.767	26.3Ø4	33.086	26.652	1442.Ø
221.0	224.67	-1.767	26.3Ø5	33.086	26.651	1442.1
222.0	225.74	-1.768	26.306	33.087	26.652	1442.1
223.0	226.69	-1.767	26.306	33.086	26.652	1442.1
224.0	227.76	-1.767	26.307	33.087	26.652	1442.1
225.0	228.72	-1.767	26.307	33.087	26.652	1442.1
226.Ø	229.77	-1.767	26.3Ø7	33.Ø87	26.652	1442.1
227.Ø	230.76	-1.767	26.3Ø8	33.Ø87	26.652	1442.2
228.Ø	231.79	-1.767	26.3Ø9	33.Ø87	26.652	1442.2
229.Ø	232.79	-1.766	26.31Ø	33.Ø87	26.652	1442.2
230.0	233.8Ø	-1.765	26.311	33.087	26.652	1442.2
231.0	234.82	-1.764	26.313	33.088	26.653	1442.2
232.0	235.82	-1.764	26.314	33.088	26.653	1442.3
233.0	236.85	-1.762	26.315	33.088	26.653	1442.3
234.0	237.85	-1.762	26.316	33.088	26.653	1442.3
235.0	238.86	-1.762	26.317	33.089	26.653	1442.3
236.0	239.86	-1.761	26.319	33.089	26.653	1442.3
237.0	24Ø.86	-1.760	26.32Ø	33.089	26.654	1442.4
238.0	241.89	-1.759	26.322	33.090	26.654	1442.4
239.0	242.92	-1.759	26.322	33.090	26.654	1442.4
240.0	243.88	-1.756	26.325	33.091	26.655	1442.4
241.0	244.91	-1.753	26.328	33.091	26.655	1442.5
242.Ø	245.94	-1.75Ø	26.332	33.Ø92	26.656	1442.5
243.Ø	246.94	-1.747	26.336	33.Ø93	26.656	1442.5
244.Ø	247.92	-1.745	26.338	33.Ø93	26.657	1442.6
245.Ø	248.95	-1.737	26.346	33.Ø95	26.658	1442.6
246.0	249.99	-1.731	26.353	33.098	26.661	1442.7
247.0	251.Ø1	-1.724	26.361	33.100	26.662	1442.7
248.0	251.99	-1.718	26.369	33.104	26.665	1442.8
249.0	252.97	-1.716	26.371	33.105	26.665	1442.8
250.0	254.Ø3	-1.716	26.373	33.106	26.667	1442.8
251.0	255.Ø6	-1.715	26.374	33.106	26.667	1442.8
252.0	256.Ø6	-1.706	26.385	33.110	26.669	1442.9
253.0	257.Ø3	-1.704	26.386	33.110	26.669	1442.9
254.Ø	258.Ø5	-1.701	26.398	33.111	26.678	1443.Ø
255.Ø	259.Ø8	-1.699	26.393	33.113	26.672	1443.Ø
256.Ø	26Ø.11	-1.697	26.395	33.113	26.671	1443.Ø
257.Ø	261.12	-1.696	26.397	33.113	26.672	1443.Ø
258.Ø 259.Ø 26Ø.Ø 261.Ø	262.Ø9 263.1Ø 264.15 265.17	-1.694 -1.694 -1.694	26.399 26.400 26.401 26.401	33.114 33.114 33.114 33.114	26.672 26.673 26.673 26.673	1443.1 1443.1 1443.1 1443.1
262.Ø	266.17	-1.694	26.401	33.114	26.673	1443.1
263.Ø	267.18	-1.694	26.402	33.114	26.673	1443.1
264.Ø	268.14	-1.694	26.403	33.115	26.673	1443.2

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø 268.Ø 269.Ø	269.17 27ø.15 271.17 272.22 273.17	-1.694 -1.694 -1.694 -1.693 -1.693	26.403 26.404 26.404 26.404 26.407	33.115 33.115 33.115 33.114 33.117	26.673 26.673 26.673 26.673 26.675	1443.2 1443.2 1443.2 1443.2 1443.2



CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3021

LAT.N. 75-29-49 LONG.W. 97-02-56 DATE 040477 G.M.T. 0234

U.T.M. ZONE 14 8379694 N 554524 E DEPTH INCR 1.88 WATER DEPTH 271 M

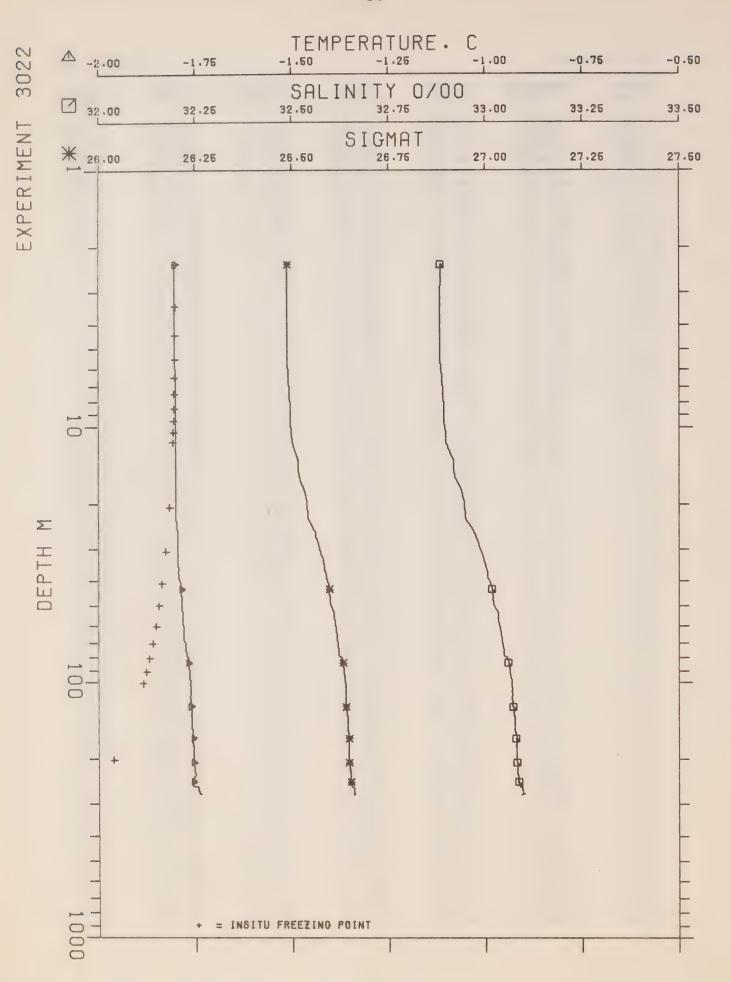
U. I. M. ZON	E 14 63/3	1094 R 334:	324 E DE	FIR INCK 1.00	WAIER DE	T I I Z / L M
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
1.0	1.73	-1.802	26.039	32.887	26.490	1438.0
2.0	2.73	-1.801	26.035	32,880	26.485	1438.0
3.0	3.82	-1.801	26.039	32.884	26.488	1438.0
4.9	4.86	-1.800	26.851	32.900	26.501	1438.0
5.0	5.90	-1.799	26.077	32.935	26.530	1438.1
6.0	6.97	-1.797	26.089	32.949	26.548	1438.2
7.0	7.90	-1.797	26.897	32.960	26.549	1438.2
8.0	8.95	-1.797	26.101	32.965	26.553	1438.2
9.0	9.97	-1.797	26.103	32.967	26.555	1438.2
10.0	10.94	-1.797	26.106	32.970	26.558	1438.3
	12.00	-1.797	26.109	32.973	26.561	1438.3
11.0	13.03	-1.797	26.109	32.972	26.560	1438.3
12.0		-1.796	26.113	32.977	26.564	1438.3
13.0	14.01	-1.796	26.117	32.981	26.566	1438.3
14.0				32.984	26.569	1438.4
15.0	16.06	-1.795	26.12Ø 26.123	32.986	26.571	1438.4
16.0	17.07	-1.795			26.575	1438.4
17.0	18.13	-1.793	26.127 26.129	32.991	26.576	1438.4
18.0	19.09	-1.793		32.992 32.995	26.578	1438.5
19.0	20.15	-1.793	26.132	32.997	26.580	1438.5
20.0	21.16	-1.791	26.135		26.581	1438.5
21.0	22.15	-1.791	26.136	32.999	26.583	1438.5
22.0	23.22	-1.791	26.138	33.001	26.584	1438.5
23.0	24.17	-1.791	26.140	33.ØØ2 33.ØØ4	26.585	1438.6
24.0	25.22	-1.791	26.142	33.005	26.586	1438.6
25.0	26.22	-1.798	26.143 26.147	33.008	26.589	1438.6
26.0	27.23	-1.790		33.013	26.593	1438.6
27.0	28.24	-1.788	26.152	33.013	26.593	1438.7
28.0	29.23	-1.788	26.153	33.014	26.592	1438.7
29.0	30.29	-1.789	26.151 26.153	33.013	26.592	1438.7
30.0	31.29	-1.788	26.154	33.013	26.593	1438.7
31.0	32.32	-1.788 -1.788	26.155	33.014	26.593	1438.7
32.0	33.29	-1.787	26.157	33.015	26.595	1438.7
33.0	34.29 35.34	-1.787	26.159	33.017	26.596	1438.8
34.0	36.35	-1.786	26.160	33.017	26.596	1438.8
35.0	37.31	-1.786	26.168	33.018	26.596	1438.8
36.0	38.38	-1.786	26.161	33.018	26.597	1438.8
37.Ø 38.Ø	39.39	-1.786	26.163	33.019	26.598	1438.8
39.0	40.37	-1.785	26.164	33.020	26.599	1438.9
40.0	41.41	-1.785	26.165	33.021	26.599	1438.9
41.0	42.42	-1.785	26.166	33.021	26.599	1438.9
42.0	43.39	-1.785	26.166	33.021	26.599	1438.9
43.0	44.46	-1.785	26.167	33.021	26.599	1438.9
44.8	45.46	-1.785	26.168	33.022	26.599	1438.9
45.0	46.45	-1.784	26.170	33.023	26.601	1439.0
46.0	47.51	-1.783	26.174	33.028	26.604	1439.0
47.8	48.53	-1.783	26.175	33.028	26.605	1439.0
48.0	49.49	-1.783	26.176	33.028	26.605	1439.0
49.0	50.56	-1.783	26.177	33.030	26.606	1439.0
50.0	51.57	-1.782	26.181	33.033	26.608	1439.1
51.0	52.56	-1.782	26.182	33.034	26.610	1439.1
52.0	53.61	-1.782	26.183	33.034	26.610	1439.1
53.0	54.61	-1.780	26.185	33.035	26.610	1439.1
54.0	55.61	-1.781	26.185	33.035	26.610	1439.1
55.0	56.66	-1.780	26.187	33.036	26.611	1439.2
56.0	57.67	-1.780	26.187	33.036	26.611	1439.2
57.0	58.66	-1.780	26.189	001201	26.612	1439.2
58.0	59.72	-1.779	26.190	33.038	26.613	1439.2
59.0	60.72	-1.779	26.191	33.038	26.613	1439.2
60.0	61.75	-1.779	26.192	33.039	26.614	1439.3
61.0	62.76	-1.779	26.192	33.039	26.613	1439.3
62.0	63.74	-1.779	26.193	33.039	26.614	1439.3

						COUNT
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND (M/SEC)
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/88)		(M/SEC/
		-1.779	26.194	33.039	26.614	1439.3
63.0	64.76	-1.779	26.194	33.039	26.614	1439.3
64.0	65.75	-1.779	26.195	33.040	26.615	1439.3
65.0	66.78 67.82	-1.780	26.196	33.042	26.616	1439.4
66.0	68.77	-1.780	26.196	33.842	26.616	1439.4
67.Ø 68.Ø	69.84	-1.780	26.198	33.Ø43	26.617	1439.4
69.Ø	7ø.85	-1.779	26.199	33.043	26.617	1439.4
7.0.0	71.85	-1.779	26.200	001011	26.618	1439.4
71.0	72.89	-1.778	26.202	33.045	26.618	1439.5
72.0	73.88	-1.777	26.203	33.045	26.618	1439.5
73.0	74.91	-1.777	26.204	33.046	26.619 26.620	1439.5 1439.5
74.0	75.91	-1.776	26.207	33.Ø48 33.Ø52	26.624	1439.6
75.0	76.91	-1.771	26.214	33.052	26.624	1439.6
76.Ø	77.98	-1.771 -1.771	26.216	33.053	26.625	1439.6
77.Ø	78.93 79.99	-1.771	26.217	33.Ø54	26.625	1439.6
78.0	8Ø. <b>9</b> 9	-1.771	26.217	33.053	26.625	1439.6
79.Ø 8Ø.Ø	82.00	-1.771	26.218	33.054	26.625	1439.7
81.0	83.03	-1.770	26.220	33.055	26.626	1439.7
82.0	84.01	-1.769	26.222	33.057	26.628	1439.7
83.0	85.06	-1.768	26.225	33.059	26.629	1439.7
84.0	86.03	-1.768	26.225	33.059	26.630	1439.7
85.0	87.09	-1.768	26.226	33.059	26.630	1439.8 1439.8
86.0	88.07	-1.768	26.227	33.060	26.63Ø 26.631	1439.8
87.Ø	89.10	-1.768	26.228 26.229	33.061 33.061	26.631	1439.8
88.0	90.10	-1.767	26.230	33.061	26.631	1439.8
89.Ø	91.12	-1.767 -1.767	26.230	33.061	26.631	1439.8
90.0	92.14 93.14	-1.767	26.231	33.062	26.632	1439.9
91.Ø 92.Ø	94.17	-1.767	26.231	33.061	26.631	1439.9
93.Ø	95.17	-1.767	26.232	33.062	26.632	1439.9
94.0	96.22	-1.767	26.232	33.Ø62	26.632	1439.9
95.0	97.19	-1.767	26.233	33.062	26.632	1439.9
96.0	98.24	-1.766	26.235	33.Ø63	26.633	1440.0
97.Ø	99.21	-1.765	26.237	33.064	26.633	1440.0
98.0	100.26	-1.765	26.237	33.064	26.633 26.635	1440.0 1440.0
99.0	1Ø1.23	-1.765	26.239 26.24Ø	33.066 33.065	26.635	1440.0
100.0	102.29	-1.764 -1.763	26.241	33.066	26.635	1440.1
101.0	103.24 104.30	-1.764	26.242	33.066	26.635	1440.1
102.0	105.35	-1.763	26.243	33.067	26.636	1448.1
104.0	106.32	-1.763	26.243	33.067	26.635	1440.1
105.0	107.36	-1.763	26.245	33.068	26.636	1440.1
106.0	108.35	-1.763	26.245	33.068	26.636	1440.1
107.0	1Ø9.35	-1.763	26.245	33.067	26.636	1440.2
108.0	110.39	-1.763	26.246	33.068	26.637	1440.2
109.0	111.40	-1.763	26.246	33.068	26.636 26.637	1440.2
110.0	112.40	-1.763	26.247	33.Ø68 33.Ø69	26.638	1440.2
111.0	113.44 114.39	-1.763 -1.763	26.248 26.25Ø	33.070	26.638	1440.2
112.0	115.47	-1.763	26.250	33.071	26.639	1440.3
113.0 114.0	116.44	-1.763	26.251	33.071	26.639	1440.3
115.0	117.47	-1.763	26.252	33.071	26.639	1440.3
116.0	118.52	-1.763	26.253	33.072	26.640	1440.3
117.0	119.48	-1.763	26.253	33.072	26.640	1440.3
118.0	120.54	-1.763	26.253	33.071	26.639	1440.3
119.0	121.56	-1.763	26.254	33.072	26.640	1440.4
120.0	122.54	-1.763	26.254	33.071	26.639 26.639	1440.4
121.0	123.61	-1.763	26.254	33.071	26.639	1440.4
122.0	124.57	-1.763	26.255 26.256	33.Ø71 33.Ø72	26.640	1440.4
123.0	125.6Ø 126.62	-1.763 -1.762	26.257	33.072	26.640	1440.5
124.Ø 125.Ø	127.60	-1.762	26.258	33.072	26.640	1440.5
126.0	128.68	-1.762	26.258	33.072	26.640	1440.5
127.0	129.64	-1.762	26.259	33.072	26.640	1440.5
128.0	130.71	-1.761	26.259	33.072	26.640	1440.5
129.0	131.67	-1.762	26.260	33.072	26.640	1440.5

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (0/00)	SIGMAT	SOUND (M/SEC)
130.0	132.71	-1.762 -1.761	26.26Ø 26.26Ø	33.Ø72 33.Ø72	26.64Ø 26.64Ø	1440.6
131.0	133.72 134.71	-1.761	26.261	33.072	26.640	1440.6
132.Ø 133.Ø	135.79	-1.761	26.262	33.072	26.64Ø	1440.6
134.0	136.75	-1.761	26.262	33.073	26.640	1440.6
135.0	137.82	-1.761	26.263	33.073	26.641 26.640	144Ø.6 144Ø.7
136.0	138.77	-1.761	26.263 26.264	33.Ø73 33.Ø73	26.641	1440.7
137.0	139.83	-1.761 -1.761	26.264	33.072	26.640	1440.7
138.Ø 139.Ø	140.83	-1.761	26.265	33.073	26.640	1440.7
140.0	142.87	-1.761	26.265	33.072	26.640	1448.7
141.0	143.88	-1.761	26.266	33.073	26.641 26.640	1440.7
142.0	144.91	-1.761	26.266 26.267	33.Ø73 33.Ø73	26.641	1440.8
143.0	145.90	-1.761 -1.760	26.267	33.073	26.640	1440.8
144.Ø 145.Ø	147.92	-1.761	26.268	33.073	26.641	1440.8
146.0	148.98	-1.761	26.269	33.074	26.641	1440.8
147.0	149.96	-1.761	26.269	33.073	26.641 26.641	1440.8
148.0	151.02	-1.761	26.269	33.Ø73 33.Ø74	26.641	1440.9
149.0	151.98	-1.761 -1.76Ø	26.27Ø 26.271	33.074	26.641	1448.9
150.Ø 151.Ø	153.Ø3 154.Ø2	-1.760	26.271	33.074	26.641	1440.9
152.0	155.07	-1.760	26.272	33.074	26.641	1440.9
153.0	156.04	-1.760	26.272	33.073	26.641	144Ø.9 1441.Ø
154.0	157.08	-1.760	26.273	33.Ø74 33.Ø74	26.642 26.641	1441.0
155.Ø	158.08	-1.760	26.273 26.275	33.076	26.643	1441.0
156.0	159.12 160.10	-1.761 -1.760	26.275	33.075	26.642	1441.0
157.Ø 158.Ø	161.15	-1.760	26.276	33.076	26.643	1441.0
159.0	162.13	-1.760	26.277	33.076	26.643	1441.1
160.0	163.17	-1.759	26.277	33.075	26.643 26.643	1441.1
161.0	164.14	-1.759	26.278 26.278	33.Ø76 33.Ø76	26.643	1441.1
162.0	165.20	-1.759 -1.759	26.279	33.075	26.642	1441.1
163.Ø 164.Ø	166.18 167.25	-1.759	26.279	33.075	26.643	1441.1
165.0	168.20	-1.759	26.280	33.076	26.643	1441.2
166.0	169.25	-1.759	26.281	33.076	26.643 26.643	1441.2
167.0	170.24	-1.759	26.281	33.Ø76 33.Ø76	26.643	1441.2
168.0	171.28 172.28	-1.759 -1.76Ø	26.281 26.281	33.076	26.643	1441.2
169.0	173.32	-1.759	26.282	33.076	26.643	1441.2
170.0 171.0	174.28	-1.759	26.283	33.076	26.643	1441.3
172.0	175.33	-1.760	26.282	33.076	26.643 26.643	1441.3
173.0	176.35	-1.760	26.283	33.076 33.076	26.643	1441.3
174.0	177.33	-1.76Ø -1.761	26.283 26.283	33.076	26.643	1441.3
175.0	178.37 179.33	-1.760	26.284	33.076	26.643	1441.3
176.Ø 177.Ø	180.40	-1.760	26.285	33.077	26.644	1441.4
178.0	181.38	-1.760	26.285	33.Ø77	26.644 26.644	1441.4
179.Ø	182.42	-1.760	26.286	33.Ø77 33.Ø77	26.644	1441.4
180.0	183.43	-1.759 -1.758	26.287 26.288	33.077	26.644	1441.4
181.0	184.41 185.46	-1.758	26.289	33.077	26.644	1441.4
182.Ø 183.Ø	186.45	-1.758	26.290	33.077	26.644	1441.5
184.0	187.48	-1.758	26.291	33.078	26.645 26.644	1441.5
185.0	188.48	-1.758	26.290	33.Ø78 33.Ø79	26.645	1441.5
186.0	189.49	-1.757 -1.756	26.293 26.293	33.079	26.645	1441.5
187.0	190.54 191.49	-1.756 -1.757	26.294	33.079	26.645	1441.6
188.Ø 189.Ø	192.57	-1.756	26.294	33.078	26.645	1441.6
190.0	193.54	-1.756	26.295	33.079	26.645	1441.6
191.Ø	194.57	-1.756	26.296	33.Ø79 33.Ø79	26.646 26.645	1441.6
192.0	195.58	-1.756	26.297 26.297	33.079	26.646	1441.6
193.0	196.59	-1.755 -1.755	26.298	33.079	26.646	1441.7
194.Ø 195.Ø	197.6Ø 198.61	-1.755	26.299	33.080	26.646	1441.7
196.0	199.64	-1.755	26.300	33.080	26.646	1441.7

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
107 0	200.63	-1.754	26.301	33.081	26.647	1441.7
197.0	201.71	-1.754	26.302	33.081	26.647	1441.7
199.0	202.64	-1.753	26.303	33.081	26.647	1441.8
200.0	203.72	-1.753	26.304	33.082	26.647	1441.8
201.0	204.67	-1.753	26.305	33.082	26.648	1441.E
202.0	205.75	-1.752	26.306	33.082	26.648	1441.8
203.0	206.69	-1.752	26.306	33.082	26.648	1441.8
204.0	207.76	-1.751 -1.751	26.308	33.083 33.083	26.648	1441.9
205.0	2Ø8.74 2Ø9.78	-1.754	26.308	33.084	26.649	1441.9
206.0 207.0	210.74	-1.754	26.308	33.084	26.649	1441.9
208.0	211.80	-1.754	26.308	33.084	26.649	1441.9
209.0	212.80	-1.757	26.3Ø7	33.084	26.650	1441.9
210.0	213.82	-1.757	26.307	33.084	26.650	1441.9
211.0	214.82	-1.757	26.308	33.085	26.650	1441.9
212.0	215.86	-1.758	26.3Ø8 26.3Ø8	33.084 33.085	26.65Ø 26.651	1442.0
213.0	216. <b>85</b> 217. <b>8</b> 7	-1.758 -1.759	26.308	33.085	26.650	1442.0
214.Ø 215.Ø	218.90	-1.759	26.308	33.085	26.650	1442.0
216.0	219.92	-1.759	26.308	33.085	26.650	1442.0
217.0	220.93	-1.760	26.309	33.085	26.651	1442.8
218.0	221.93	-1.758	26.310	33.085	26.650	1442.1
219.0	222.96	-1.758	26.311	33.085	26.650	1442.1
220.0	223.96	-1.761	26.310	33.086	26.651	1442.1
221.0	224.99	-1.761	26.31Ø 26.31Ø	33.Ø86 33.Ø86	26.651 26.651	1442.1
222.0	22 <b>5.9</b> 8 22 <b>6.9</b> 9	-1.761 -1.759	26.311	33.085	26.650	1442.1
224.0	228.00	-1.761	26.311	33.086	26.651	1442.1
225.0	229.05	-1.761	26.311	33.086	26.651	1442.2
226.0	230.01	-1.762	26.311	33.086	26.652	1442.2
227.8	231.05	-1.763	26.311	33.086	26.651	1442.2
228.0	232.04	-1.763	26.311	33.086	26.651	1442.2
229.0	233.08	-1.763	26.312	33.086	26.652	1442.2
230.0	234.06	-1.763 -1.763	26.312 26.312	33.086 33.086	26.651 26.651	1442.2
231.0	235.11 236.1Ø	-1.763	26.313	33.086	26.651	1442.3
233.0	237.13	-1.763	26.313	33.087	26.652	1442.3
234.0	238.11	-1.763	26.314	33.087	26.652	1442.3
235.0	239.17	-1.763	26.314	33.087	26.652	1442.3
236.0	240.15	-1.764	26.315	33.087	26.652	1442.3
237.0	241.18	-1.763	26.315	33.087	26.652	1442.3
238.0	242.18 243.23	-1.763 -1.763	26.316 26.316	33.Ø87 33.Ø87	26.652 26.652	1442.4
239.0	244.23	-1.763	26.317	33.087	26.652	1442.4
241.0	245.21	-1.763	26.317	33.087	26.652	1442.4
242.0	246.27	-1.763	26.318	33.087	26.652	1442.4
243.0	247.27	-1.763	26.318	33.087	26.652	1442.4
244.0	248.26	-1.762	26.319	33.087	26.652	1442.5
245.0	249.32	-1.762	26.321	33.088	26.653	1442.5
246.0	250.29	-1.761 -1.76Ø	26.322 26.324	33.088	26.653 26.653	1442.5
247.0	251.3Ø 252.34	-1.759	26.325	33.Ø89 33.Ø89	26.653	1442.5
249.0	253.36	-1.750	26.334	33.092	26.655	1442.6
250.0	254.34	-1.749	26.336	33.092	26.656	1442.5
251.0	255.38	-1.747	26.339	33.093	26.656	1442.7
252.Ø	256.40	-1.739	26.346	33.093	26.656	1442.7
253.0	257.40	-1.736	26.351	33.096	26.659	1442.8
254.0	258.40	-1.736 -1.733	26.353 26.356	33.098	26.660	1442.8
255.Ø 256.Ø	259.42 260.46	-1.738	26.359	33.098 33.099	26.661 26.661	1442.8
257.0	261.47	-1.726	26.364	33.101	26.663	1442.9
258.0	262.46	-1.727	26.363	33.101	26.662	1442.9
259.0	263.50	-1.727	26.365	33.102	26.663	1442.9
260.0	264.55	-1.725	26.368	33.103	26.664	1442.9
261.0	265.54	-1.724	26.369	33.103	26.664	1443.0
262.Ø 263.Ø	26 <b>6.</b> 53 26 <b>7.</b> 55	-1.722 -1.721	26.371 26.374	33.103 33.104	26.664 26.665	1443.Ø 1443.Ø
203.10	207.55	1.721	20.3/4	33.104	20.000	1443.10

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
264.Ø	268.58	-1.716	26.377	33.104	26.665	1443.0
265.Ø	269.61	-1.712	26.386	33.111	26.671	1443.1
266.Ø	270.55	-1.712	26.382	33.106	26.666	1443.1
267.Ø	271.54	-1.711	26.385	33.108	26.668	1443.1
268.Ø	272.58	-1.707	26.387	33.106	26.666	1443.2
269.Ø	273.57	-1.706	26.390	33.107	26.667	1443.2



CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3022

LAT.N. 75-29-49 LONG.W. 97-02-56 DATE 040477 G.M.T. 0337

U.T.M. ZONE 14 8379694 N 554524 E DEPTH INCR 1.88 WATER DEPTH 271 M

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
2.0	2.34	-1.802	26.837	32.884	26.488	1438.0
3.0	3.41	-1.802	26.037	32.883	26.487	1438.0
4.0	4.41	-1.801	26.037	32.882	26.487	1438.0
5.0	5.48	-1.801	26.038	32.883	26.488	1438.0
6.Ø 7.Ø	6.45 7.47	-1.801 -1.800	26.Ø42 26.Ø45	32.888 32.891	26.491 26.494	1438.Ø 1438.1
8.0	8.52	-1.800	26.045	32.893	26.495	1438.1
9.0	9.49	-1.800	26.048	32.893	26.496	1438.1
10.0	10.55	-1.800	26.051	32.897	26.499	1438.1
11.0	11.55	-1.800	26.053	32.899	26.500	1438.1
12.0	12.53	-1.800	26.060	32.908	26.508	1438.2
13.0	13.57 14.55	-1.799 -1.799	26.Ø67 26.Ø69	32.917 32.918	26.515 26.516	1438.2
14.Ø 15.Ø	15.61	-1.800	26.070	32.920	26.517	1438.2
16.0	16.59	-1.800	26.076	32.927	26.523	1438.3
17.0	17.63	-1.800	26.083	32.937	26.531	1438.3
18.0	18.67	-1.799	26.087	32.941	26.534	1438.3
19.0	19.66	-1.799	26.091	32.946	26.538	1438.3
20.0	20.70 21.67	-1.799 -1.799	26.Ø91 26.Ø93	32.945 32.947	26.538 26.539	1438.4 1438.4
22.0	22.72	-1.799	26.093	32.946	26.539	1438.4
23.0	23.71	-1.798	26.101	32.956	26.547	1438.4
24.0	24.74	-1.797	26.108	32.964	26.553	1438.5
25.0	25.72	-1.796	26.114	32.971	26.559	1438.5
26.0	26.76	-1.796	26.117	32.974	26.561	1438.5
27.0	27.77	-1.795 -1.795	26.121 26.124	32.979 32.982	26.565 26.568	1438.5
28.Ø 29.Ø	28.77 29.83	-1.795	26.127	32.986	26.571	1438.6
30.0	30.80	-1.795	26.130	32.989	26.573	1438.6
31.0	31.87	-1.795	26.132	32.991	26.575	1438.6
32.0	32.83	-1.796	26.135	32.996	26.579	1438.7
33.0		-1.796	26.137	32.997	26.580	1438.7
34.Ø 35.Ø	34.89 35.86	-1.794 -1.793	26.14Ø 26.143	33.ØØØ 33.ØØ2	26.582 26.584	1438.7
36.0	36.87	-1.794	26.144	33.004	26.585	1438.7
37.0	37.93	-1.793	26.146	33.005	26.586	1438.8
38.0	38.93	-1.791	26.149	33.006	26.587	1438.8
39.0	39.93	-1.790	26.152	33.009	26.589	1438.8
40.0	40.99	-1.788 -1.787	26.157	33.Ø13 33.Ø16	26.593 26.595	1438.8
41.0	41.96 42.99	-1.787	26.162	33.017	26.596	1438.9
43.0	44.02	-1.786	26.162	33.017	26.595	1438.9
44.0	45.01	-1.786	26.163	33.017	26.596	1438.9
45.0	46.04	-1.786	26.165	33.019	26.597 26.597	1438.9 1439.0
46.0	47.04	-1.786	26.166	33.019	26.598	1439.0
47.Ø 48.Ø	48.03 49.10	-1.785 -1.786	26.167 26.168	33.020 33.020	26.598	1439.0
49.0	50.06	-1.785	26.170	33.021	26.599	1439.0
50.0	51.08	-1.785	26.173	33.025	26.603	1439.0
51.0	52.13	-1.784	26.177	33.030	26.606	1439.1
52.0	53.08	-1.783	26.18Ø 26.181	33.031 33.032	26.6Ø7 26.6Ø8	1439.1
53.0 54.0	54.15 55.16	-1.783 -1.782	26.181	33.032	26.608	1439.1
55.0	56.15	-1.783	26.182	33.033	26.609	1439.1
56.0	57.22	-1.782	26.183	33.033	26.609	1439.2
57.Ø	58.17	-1.782	26.185	33.034	26.609	1439.2
58.0	59.22	-1.781	26.186	33.Ø35 33.Ø37	26.610	1439.2
59.Ø 6Ø.Ø	60.25 61.26	-1.781 -1.781	26.188 26.19Ø	33.038	26.612	1439.2
61.0	62.31	-1.780	26.191	33.038	26.613	1439.3
62.Ø	63.27	-1.780	26.192	33.039	26.613	1439.3
63.Ø	64.37	-1.780	26.193	33.040	26.614	1439.3

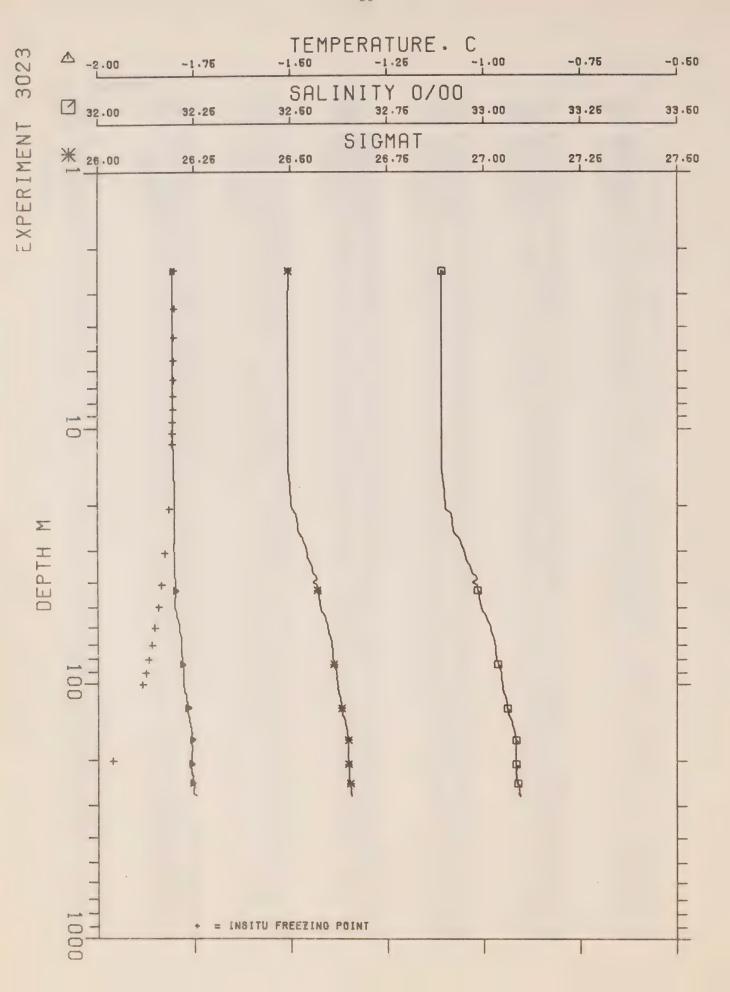
					EAT ERS	
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
64.0	65.32	-1.779	26.194	33.040	26.615	1439.3
65.0	66.35	-1.779	26.196	33.041	26.615 26.616	1439.3
66.0	67.35	-1.779 -1.779	26.196 26.196	33.042 33.041	26.615	1439.4
67.Ø	68.33 69.4Ø	-1.779	26.198	33.043	26.617	1439.4
68.Ø	7.0.37	-1.775	26.203	33.045	26.618	1439.4
70.0	71.43	-1.776	26.203	33.045	26.618	1439.4
71.0	72.41	-1.775	26.204	33.046	26.619	1439.5
72.9	73.46	-1.775	26.206	33.046	26.619	1439.5
73.Ø	74.47	-1.774	26.207	33.046	26.619	1439.5
74.0	75.48	-1.774	26.207	33.046	26.619	1439.5
75.Ø	76.51	-1.772	26.210	33.048	26.621	1439.6
76.0	77.50	-1.772	26.211	33.048	26.621	1439.6
77.0	78.54 79.52	-1.773 -1.770	26.211 26.219	33.Ø48 33.Ø56	26.621 26.627	1439.6
78.Ø 79.Ø	80.56	-1.768	26.222	33.058	26.629	1439.6
80.0	81.52	-1.768	26.223	33.059	26.629	1439.7
81.0	82.62	-1.768	26.224	33.059	26.630	1439.7
82.0	83.58	-1.768	26.225	33.060	26.630	1439.7
83.0	84.64	-1.768	26.226	33.060	26.631	1439.7
84.0	85.6Ø	-1.768	26.227	33.061	26.631	1439.7
85.Ø	86.67	-1.768	26.227	33.060	26.638	1439.8
86.0	87.64	-1.767	26.229	33.062	26.631	1439.8
87.Ø	88.71	-1.766	26.23Ø	33.063	26.632	1439.8
0.88	89.66	-1.766 -1.766	26.231 26.232	33.Ø63 33.Ø63	26.633 26.633	1439.8
89.Ø 9Ø.Ø	9Ø.72 91.69	-1.766	26.232	33.063	26.633	1439.9
91.0	92.76	-1.766	26.233	33.064	26.633	1439.9
92.0	93.74	-1.766	26.235	33.065	26.634	1439.9
93.0	94.79	-1.765	26.236	33.065	26.634	1439.9
94.0	95.77	-1.764	26.237	33.065	26.634	1439.9
95.Ø	96.82	-1.764	26.239	33.067	26.636	1440.0
96.0	97.78	-1.764	26.240	33.067	26.636	1440.0
97.0	98.87	-1.763	26.240	33.067	26.636	1440.0
98.0	99.82	-1.764	26.241	33.068	26.637	1440.0
99.Ø 1ØØ.Ø	100.89 101.85	-1.764 -1.764	26.241	33.Ø67 33.Ø68	26.636 26.637	1440.0
101.0	102.89	-1.763	26.243	33.068	26.637	1440.1
102.0	103.86	-1.763	26.243	33.068	26.637	1440.1
103.0	104.92	-1.763	26.244	33.069	26.638	1440.1
104.0	105.96	-1.763	26.245	33.Ø69	26.637	1440.1
105.0	106.93	-1.763	26.245	33.069	26.637	1440.1
106.0	108.00	-1.763	26.246	33.069	26.637	1440.1
107.0	108.99	-1.763	26.246	33.069	26.637	1440.2
108.0	110.01	-1.763	26.247	33.069	26.637	1440.2
109.0	111.04	-1.763 -1.764	26.248	33.070 33.070	26.638 26.638	1440.2
111.0	113.09	-1.764	26.247	33.068	26.637	1440.2
112.0	114.04	-1.764	26.247	33.068	26.637	1440.2
113.0	115.11	-1.764	26.248	33.068	26.637	1440.3
114.0	116.06	-1.763	26.249	33.069	26.637	1440.3
115.0	117.12	-1.763	26.250	33.069	26.637	1440.3
116.0	118.14	-1.762	26.251	33.069	26.638	1440.3
117.0	119.12	-1.762	26.252	33.070	26.638	1440.3
118.0	120.18	-1.762	26.253	33.070	26.638	1440.3
119.Ø 12Ø.Ø	121.16	-1.762 -1.762	26.253	33.Ø7Ø 33.Ø7Ø	26.638 26.638	1440.4
121.0	123.20	-1.762	26.254	33.070	26.638	1440.4
122.Ø	124.22	-1.762	26.255	33.070	26.639	1440.4
123.Ø	125.26	-1.762	26.256	33.072	26.640	1440.4
124.Ø	126.24	-1.762	26.257	33.072	26.640	1440.4
125.0	127.29	-1.762	26.258	33.072	26.640	1440.5
126.0	128.26	-1.761	26.259	33.072	26.640	1440.5
127.0	129.32	-1.761	26.259	33.073	26.640	1440.5
128.Ø	130.29	-1.761 -1.762	26.259 26.26Ø	33.Ø72 33.Ø73	26.640	1440.5
130.0	132.32	-1.761	26.261	33.073	26.641	1440.5
202.2	202.02	21101	20,501	00.073	20.041	2440.0

					POLIT POLIT	112111 0022
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/88)		(M/SEC)
.,,,						
131.0	133.37	-1.760	26.262	33.073	26.641	1440.6
132.0	134.38	-1.762	26.261	33.073	26.641	1440.6
133.0	135.38	-1.761	26.263	33.074	26.641	1440.6
134.0	136.40	-1.760	26.264	33.074 33.074	26.642 26.641	1440.6
135.0	137.40	-1.760 -1.760	26.265 26.266	33.074	26.642	1440.7
136.8	138.47 139.43	-1.760	26.266	33.075		1440.7
137.Ø 138.Ø	140.48	-1.768	26.266	33.075	26.642 26.642	1440.7
139.0	141.46	-1.760	26.267	33.075	26.642	1440.7
140.0	142.52	-1.768	26.268	33.075	26.642	1440.7
141.0	143.49	-1.760	26.268	33.Ø75	26.642	1448.7
142.0	144.55	-1.760	26.268	33.Ø75	26.642	1440.8
143.0	145.52	-1.760	26.269	33.075	26.642	1440.8
144.8	146.58	-1.760	26.269	33.075	26.642	1440.8
145.0	147.55	-1.760	26.270	33.075	26.642	1440.8
146.0	148.60	-1.759	26.271	33.075	26.642	1440.8
147.0	149.59	-1.760	26.271	33.075	26.642	1440.8
148.0	150.65	-1.759	26.271	33.Ø75 33.Ø75	26.642 26.642	1440.9
149.0	151.60	-1.759	26.272 26.273	33.076	26.643	1440.9
150.0	152.65	-1.759 -1.758	26.275	33.076	26.643	1440.9
151.0	153.65 154.68	-1.758	26.275	33.076	26.643	1440.9
152.Ø 153.Ø	155.67	-1.757	26.277	33.077	26.644	1441.0
154.0	156.72	-1.757	26.277	33.077	26.644	1441.0
155.Ø	157.71	-1.757	26.278	33.078	26.645	1441.0
156.0	158.75	-1.757	26.279	33.078	26.645	1441.0
157.0	159.73	-1.757	26.281	33.079	26.646	1441.0
158.0	160.78	-1.757	26.281	33.080	26.646	1441.8
159.Ø	161.76	-1.757	26.281	33.079	26.646	1441.1
160.0	162.79	-1.757	26.282	33.080	26.646	1441.1
161.Ø	163.80	-1.757	26.282	33.079	26.646	1441.1
162.0	164.83	-1.757	26.283	33.Ø79 33.Ø79	26.645 26.646	1441.1
163.0	165.86	-1.757	26.283	33.079	26.646	1441.2
164.0	166.84	-1.757	26.284 26.284	33.079	26.646	1441.2
165.0	167.89	-1.756 -1.756	26.285	33.079	26.646	1441.2
166.Ø 167.Ø	168.86 169.94	-1.756	26.285	33.079	26.646	1441.2
168.0	17Ø.91	-1.757	26.285	33.079	26.645	1441.2
169.0	171.92	-1.756	26.286	33.079	26.646	1441.2
170.0	172.92	-1.756	26.287	33.079	26.646	1441.3
171.0	173.95	-1.756	26.287	33.079	26.646	1441.3
172.0	174.95	-1.756	26.287	33.079	26.646	1441.3
173.0	176.02	-1.756	26.288	33.079	26.646 26.645	1441.3
174.0	176.96	-1.756	26.288	33.079	26.645	1441.3
175.0	178.02	-1.756	26.289	33.079 33.079	26.645	1441.4
176.0	179.02	-1.756	26.289 26.290	33.079	26.646	1441.4
177.0	180.04	-1.756 -1.756	26.290	33.079	26.646	1441.4
178.0	181.Ø8 182.Ø4	-1.756	26.291	33.079	26.646	1441.4
179.Ø 18Ø.Ø	183.11	-1.756	26.291	33.079	26.645	1441.4
181.0	184.07	-1.756	26.292	33.079	26.646	1441.4
182.0	185.13	-1.756	26.292	33.079	26.645	1441.5
183.0	186.11	-1.756	26.293	33.079	26.645	1441.5
184.0	187.16	-1.756	26.293	33.079	26.646	1441.5
185.0	188.18	-1.756	26.293	33.079	26.646	1441.5
186.0	189.17	-1.756	26.294	33.080	26.646	1441.5
187.0	190.20	-1.756	26.295	33.079	26.646 26.646	1441.6
188.0	191.17	-1.756	26.295	33.Ø79 33.Ø79	26.646	1441.6
189.0	192.23	-1.755	26.296 26.296	33.079	26.646	1441.6
190.0	193.21	-1.756 -1.756	26.296	33.079	26.646	1441.6
191.0	194.27	-1.755	26.297	33.079	26.645	1441.6
192.Ø 193.Ø	195.23 196.3Ø	-1.755	26.297	33.079	26.646	1441.6
193.0	197.27	-1.755	26.298	33.080	26.646	1441.7
195.0	198.33	-1.755	26.299	33.080	26.646	1441.7
196.0	199.30	-1.755	26.299	33.080	26.646	1441.7
197.0	200.36	-1.755	26.300	33.080	26.646	1441.7

#### EXPERIMENT 3Ø22

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
. , , ,						
198.0	201.32	-1.755	26.300	33.081	26.647	1441.7
199.6	202.39	-1.755	26.301	33.081	26.647	1441.7
200.0	203.36	-1.755	26.302	33.081	26.647	1441.8
201.0	204.40	-1.755	26.302	33.081	26.647	1441.8
202.0	205.39	-1.755	26.303	33.081	26.647	1441.8
203.0	206.43	-1.755	26.303	33.082	26.648	1441.8
204.8	207.42	-1.755	26.304	33.082	26.647	1441.8
205.0	208.45	-1.755	26.305	33.082	26.648	1441.8
206.0	209.47	-1.755	26.385	33.082	26.647	1441.9
207.0	210.48	-1.755	26.306	33.082	26.648	1441.9
208.0	211.50	-1.754	26.307	33.082	26.648	1441.9
209.0	212.52	-1.753	26.308	33.083	26.648	1441.9
210.0	213.53	-1.753	26.309	33.083	26.648	1441.9
211.0	214.54	-1.753	26.309	33.082	26.648	1442.0
212.0	215.55	-1.753	26.310	33.083	26.649	1442.0
213.0	216.56	-1.753	26.311	33.084	26.649	1442.0
214.0	217.59	-1.753	26.311	33.083	26.648	1442.0
215.0	218.60	-1.753	26.311	33.083	26.649	1442.8
216.0	219.63	-1.753	26.312	33.083	26.648	1442.0
217.0	220.60	-1.753	26.313	33.084	26.649	1442.1
218.0	221.67	-1.753	26.313	33.083	26.649	1442.1
219.0	222.62	-1.752	26.314	33.083	26.649	1442.1
220.0	223.70	-1.752	26.314	33.083	26.649	1442.1
221.0	224.69	-1.752	26.315	33.083	26.649	1442.1
222.0	225.72	-1.751	26.317	33.084	26.649	1442.1
223.0	226.68	-1.758	26.318	33.084	26.649	1442.2
224.0	227.73	-1.751	26.317	33.084	26.649	1442.2
225.0	228.74	-1.751	26.318	33.084	26.649	1442.2
226.0	229.76	-1.751	26.319	33.084	26.649	1442.2
227.0	230.81	-1.750	26.320	33.084	26.650	1442.2
228.0	231.77	-1.752	26.319	33.085	26.650	1442.2
229.0	232.82	-1.753	26.319	33.085	26.650	1442.3
230.0	233.79	-1.754	26.319	33.085	26.650	1442.3
231.0	234.85	-1.754	26.319	33.086	26.651	1442.3
232.0	235.85	-1.754	26.320	33.085	26.650	1442.3
233.0	236.86	-1.753	26.321	33.085	26.650	1442.3
234.0	237.92	-1.756	26.319	33.086	26.651	1442.3
235.0	238.87	-1.756	26.320	33.086	26.651	1442.3
236.0	239.93	-1.757	26.320	33.086	26.651	1442.4
237.0	240.93	-1.756	26.320	33.086	26.651	1442.4
238.0	241.91	-1.756	26.321	33.086	26.651	1442.4
239.0	242.92	-1.756	26.321	33.086	26.651	1442.4
240.0	243.93	-1.756	26.322	33.086	26.651	1442.4
241.0	244.98	-1.757	26.322	33.087	26.652	1442.4
242.0	246.00	-1.757	26.322	33.086	26.651	1442.5
243.0	247.00	-1.757	26.323	33.086	26.651	1442.5
244.0	247.98	-1.757	26.323	33.087	26.652	1442.5
245.0	249.02	-1.757	26.324	33.Ø87	26.652	1442.5
246.0	250.04	-1.758	26.324	33.Ø87	26.652	1442.5
247.0	251.08	-1.757	26.326	33.089	26.654	1442.5
248.0	252.08	-1.757	26.326	33.088	26.653	1442.6
249.0	253.09	-1.758	26.326	33.088	26.653	1442.6
250.0	254.10	-1.756	26.328	33.089	26.654	1442.6
251.0	255.11	-1.752	26.333	33.Ø91	26.655	1442.6
252.0	256.12	-1.745	26.342	33.094	26.658	1442.7
253.0	257.17	-1.744	26.344	33.095	26.658	1442.7
254.Ø	258.17	-1.742	26.346	33.096	26.659	1442.7
255.0	259.17	-1.742	26.347	33.096	26.659	1442.8
256.Ø	260.19	-1.742	26.347	33.096	26.659	1442.8
257.0	261.20	-1.742	26.348	33.096	26.659	1442.8
258.0	262.24	-1.741	26.349	33.096	26.659	1442.8
259.0	263.25	-1.742	26.349	33.096	26.659	1442.8
26Ø.Ø	264.28	-1.741	26.350	33.097	26.660	1442.8
261.0	265.27	-1.741	26.351	33.097	26.660	1442.9
262.0	266.27	-1.741	26.351	33.097	26.66Ø	1442.9
263.0	267.25	-1.740	26.352	33.097	26.660	1442.9
264.Ø	268.36	-1.740	26.353	33.Ø97	26.659	1442.9

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø 268.Ø 269.Ø 27Ø.Ø	269.35 270.35 271.33 272.37 273.42 273.60	-1.740 -1.740 -1.739 -1.738 -1.737 -1.735	26.354 26.359 26.357 26.358 26.357	33.098 33.098 33.102 33.098 33.098 33.093	26.661 26.664 26.661 26.661 26.667	1442.9 1443.Ø 1443.Ø 1443.Ø 1443.Ø



CRUISE 15-77-621 CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3023

LAT.N. 75-29-49 LONG.W. 97-62-56 DATE 040477 G.M.T. 0438

U.T.M. ZONE 14 8379694 N 554524 E DEPTH INCR 1.00 WATER DEPTH 271 M

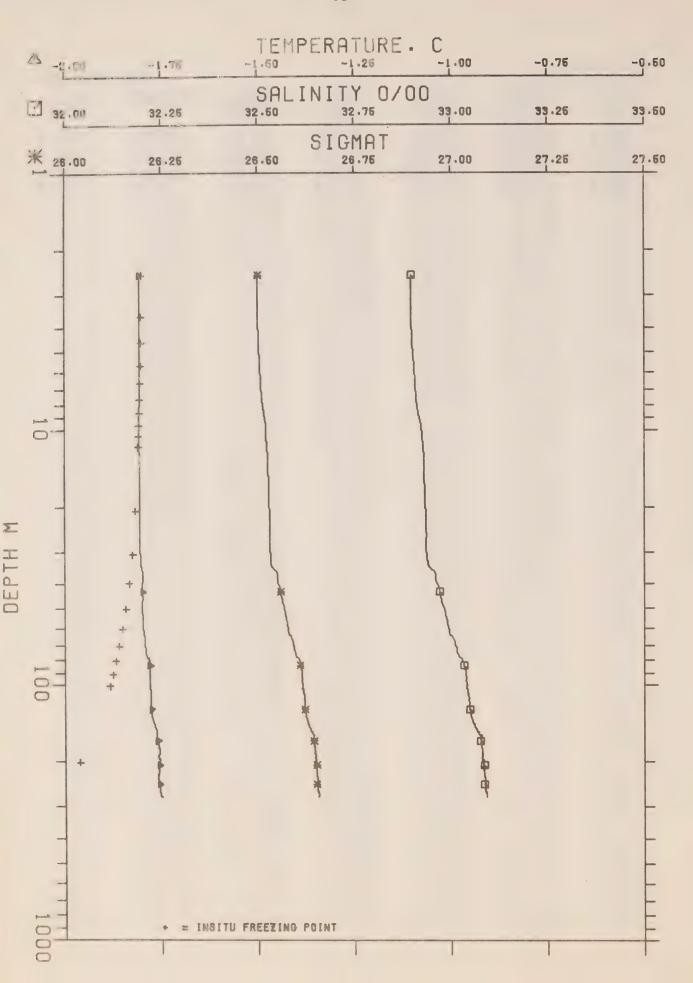
DEPTH   PRESSURE   TEMP   COND   SALINITY   SIGNAT   SOUND   (M/SEC)							
2.8						SIGMAT	
3.8 3.43 -1.884 26.848 32.898 26.493 1438.8 5.8 5.49 -1.884 26.848 32.899 26.493 1438.8 6.8 5.52 -1.884 26.848 32.889 26.493 1438.8 7.8 7.51 -1.884 26.841 32.899 26.493 1438.8 8.8 8.54 -1.884 26.842 32.898 26.493 1438.1 9.8 9.56 -1.884 26.842 32.898 26.493 1438.1 18.8 18.55 -1.884 26.842 32.898 26.493 1438.1 18.8 18.55 -1.884 26.843 32.898 26.493 1438.1 11.8 11.66 -1.884 26.843 32.898 26.493 1438.1 11.8 11.66 -1.883 26.845 32.898 26.493 1438.1 11.8 11.66 -1.883 26.845 32.898 26.493 1438.1 11.8 13.57 -1.883 26.845 32.898 26.493 1438.1 13.8 13.57 -1.883 26.845 32.898 26.493 1438.1 14.8 14.66 -1.883 26.845 32.898 26.493 1438.2 16.8 15.62 -1.883 26.845 32.898 26.493 1438.2 16.8 16.66 -1.881 25.852 32.895 26.493 1438.2 16.8 16.66 -1.881 25.852 32.895 26.496 1438.2 17.8 17.68 -1.888 25.854 32.897 26.498 1438.2 18.8 19.78 -1.888 26.854 32.897 26.498 1438.2 18.8 19.78 -1.888 26.854 32.897 26.498 1438.2 18.8 19.78 -1.888 26.854 32.897 26.498 1438.2 18.8 28.72 -1.888 26.854 32.897 26.498 1438.2 18.8 28.72 -1.888 26.854 32.897 26.498 1438.2 18.8 28.72 -1.888 26.854 32.897 26.498 1438.2 28.8 28.72 -1.888 26.854 32.897 26.498 1438.3 19.8 19.78 -1.888 26.854 32.897 26.498 1438.3 19.8 19.78 -1.888 26.854 32.897 26.498 1438.3 19.8 19.78 -1.888 26.859 32.896 26.558 1438.3 19.8 19.78 -1.888 26.859 32.896 26.558 1438.3 19.8 28.79 -1.888 26.899 32.896 26.558 1438.3 19.8 38.89 31.88 38.89 26.899 32.996 26.558 1438.3 26.8 28.8 28.81 -1.888 26.899 32.996 26.558 1438.4 26.8 28.8 28.81 -1.888 26.899 32.996 26.558 1438.5 38.8 38.89 -1.888 26.899 32.998 26.559 1438.8 38.8 38.99 -1.888 26.899 32.998 26.559 1438.5 38.8 38.99 -1.799 26.873 32.998 26.559 1438.6 39.8 38.99 -1.799 26.113 32.998 26.559 1438.6 39.8 38.99 -1.799 26.113 32.998 26.559 1438.8 42.8 43.8 1.17.998 26.113 32.998 26.559 1438.8 44.8 49.12 -1.799 26.113 32.998 26.559 1438.8 44.8 49.12 -1.799 26.113 32.998 26.559 1438.9 58.8 59.77 -1.799 26.113 33.819 26.599 1438.9 58.8 59.77 -1.799 26.113 33.819 26.599 1439.2 59.8 68.29 -1.799 26.	(M)	(DRAKS)	(DEG.C)	(MMHU)	(11/80)		(M/SEC)
\$ 1.8	2.0	2.44	-1.805	26.040	32.891	26.494	1438.0
6.8 6.52 -1.884 26.841 32.889 26.493 1438.8 8 6.652 -1.884 26.841 32.889 26.493 1438.8 8 8.54 -1.884 26.841 32.889 26.493 1438.8 8 9.8 9.56 -1.884 26.842 32.898 26.493 1438.1 18.55 -1.884 26.842 32.898 26.493 1438.1 11.8 11.68 12.59 -1.884 26.843 32.898 26.493 1438.1 11.8 11.68 12.59 -1.884 26.843 32.898 26.493 1438.1 12.8 12.59 -1.883 26.845 32.898 26.493 1438.1 13.8 13.57 -1.883 26.845 32.898 26.493 1438.1 13.8 13.57 -1.883 26.845 32.898 26.493 1438.1 13.8 13.57 -1.883 26.845 32.891 26.494 1438.2 15.8 15.6 6 -1.883 26.845 32.891 26.494 1438.2 15.8 15.6 6 -1.883 26.845 32.891 26.494 1438.2 15.8 15.6 6 -1.881 26.853 36.845 32.893 26.496 1438.2 17.8 17.68 1-1.884 26.853 32.895 26.492 1438.2 17.8 17.68 1-1.886 26.853 32.895 26.498 1438.2 17.8 17.68 18.67 -1.886 26.853 32.897 26.498 1438.2 18.8 18.67 -1.886 26.855 32.897 26.498 1438.2 19.8 19.76 -1.886 26.855 32.899 26.586 1438.3 19.8 19.76 -1.886 26.855 32.899 26.586 1438.3 19.8 19.76 -1.886 26.857 32.899 26.586 1438.3 19.8 19.76 -1.886 26.869 32.915 26.586 1438.3 12.8 22.72 -1.886 26.869 32.915 26.513 1438.3 12.8 22.72 -1.886 26.869 32.915 26.513 1438.3 12.8 22.72 -1.886 26.869 32.915 26.513 1438.3 12.8 22.72 -1.886 26.869 32.915 26.514 1438.3 12.8 22.72 -1.886 26.869 32.915 26.514 1438.3 12.8 22.8 22.76 -1.886 26.869 32.915 26.518 1438.3 12.8 22.8 22.76 -1.886 26.869 32.916 26.514 1438.3 12.8 22.8 22.78 -1.886 26.869 32.916 26.514 1438.3 12.8 22.8 22.78 -1.886 26.869 32.916 26.556 1438.4 22.8 32.9 28.8 11 1438.3 12.8 28.8 12.8 29.8 29.8 29.8 31.8 28.8 12.8 29.8 29.8 29.8 31.8 28.8 12.8 29.8 29.8 29.8 31.8 28.8 12.8 29.8 29.8 29.8 29.8 29.8 29.8 29.8 2	h						
6.8         6.52         -1.884         26.841         32.898         26.493         1438.8           8.8         8.54         -1.884         26.842         32.898         26.493         1438.1           18.8         9.56         -1.884         26.842         32.898         26.493         1438.1           18.8         18.55         -1.884         26.843         32.898         26.493         1438.1           11.6         11.667         -1.884         26.844         32.898         26.493         1438.1           12.8         12.59         -1.883         26.845         32.898         26.493         1438.1           13.6         13.57         -1.883         26.845         32.899         26.492         1438.2           14.8         14.66         -1.883         26.845         32.896         26.492         1438.2           15.6         15.62         -1.883         26.845         32.896         26.492         1438.2           16.8         16.66         -1.881         26.853         32.897         26.498         1438.2           17.6         17.6         -1.886         26.853         32.897         26.499         1438.3           19.8							
7.8         7.51         -1.884         26.842         32.898         26.493         1438.1           9.8         9.56         -1.884         26.842         32.898         26.493         1438.1           11.8         11.66         -1.884         26.842         32.898         26.493         1438.1           11.8         11.56         -1.884         26.843         32.898         26.493         1438.1           12.8         12.59         -1.883         26.845         32.898         26.493         1438.1           13.8         13.57         -1.883         26.845         32.891         26.494         1438.2           14.8         14.66         -1.883         26.845         32.899         26.494         1438.2           15.8         15.62         -1.883         26.849         32.893         26.496         1438.2           16.8         15.66         -1.881         26.852         32.897         26.498         1438.2           17.8         17.68         -1.886         26.855         32.897         26.498         1438.2           18.8         19.77         -1.886         26.854         32.987         26.498         1438.3           21.							
8. 8 8.54 -1.884 26.842 32.898 26.493 1438.1 18.8 18.55 -1.884 26.842 32.898 26.493 1438.1 18.8 18.55 -1.884 26.843 32.898 26.493 1438.1 12.8 12.89 12.59 -1.887 26.845 32.898 26.493 1438.1 12.89 12.59 -1.887 26.845 32.898 26.493 1438.1 12.89 13.57 -1.887 26.845 32.898 26.493 1438.1 12.89 13.57 -1.887 26.845 32.898 26.493 1438.1 13.8 114.66 -1.887 26.845 32.898 26.492 1438.2 14.8 14.66 -1.887 26.845 32.899 26.492 1438.2 14.8 14.66 -1.887 26.845 32.899 26.492 1438.2 16.89 15.66 -1.881 26.852 32.896 26.492 1438.2 16.89 17.68 15.66 -1.881 26.852 32.896 26.498 1438.2 16.89 17.68 17.68 -1.881 26.853 32.897 26.498 1438.2 18.8 18.67 -1.888 26.855 32.897 26.498 1438.3 19.8 19.78 -1.888 26.855 32.897 26.598 1438.3 19.8 19.78 -1.888 26.855 32.897 26.598 1438.3 12.8 19.8 21.72 -1.888 26.855 32.897 26.598 1438.3 12.8 22.8 22.76 -1.888 26.855 32.988 26.556 1438.3 12.8 21.72 -1.888 26.855 32.988 26.556 1438.3 12.8 21.72 -1.888 26.855 32.988 26.556 1438.3 12.8 21.72 -1.888 26.856 32.915 26.515 1438.4 12.5 28.8 23.73 -1.888 26.873 32.917 26.515 1438.4 12.5 28.8 23.73 -1.888 26.873 32.917 26.515 1438.4 12.5 28.8 23.73 -1.888 26.873 32.917 26.515 1438.4 12.5 28.8 23.73 -1.888 26.896 32.936 26.588 1438.4 12.5 28.8 28.8 28.8 1 -1.881 26.891 32.948 26.538 1438.4 12.5 28.8 28.8 28.8 1 -1.881 26.891 32.948 26.538 1438.4 12.5 29.8 29.8 3 -1.888 26.898 32.948 26.538 1438.4 12.5 29.8 29.8 3 -1.888 26.898 32.948 26.538 1438.5 1							
9. Ø 9. 56 -1. 884 26. 842 32. 898 26. 493 1438. 1 11. Ø 11. 68 18. 55 -1. 884 26. 844 32. 898 26. 493 1438. 1 12. Ø 12. 59 -1. 883 26. 845 32. 898 26. 493 1438. 1 13. Ø 13. 57 -1. 883 26. 845 32. 898 26. 494 1438. 2 14. Ø 14. 66 -1. 883 26. 845 32. 898 26. 494 1438. 2 15. Ø 15. 62 -1. 883 26. 845 32. 899 26. 494 1438. 2 15. Ø 15. 62 -1. 883 26. 849 32. 899 26. 496 1438. 2 17. Ø 17. 68 -1. 881 26. 852 32. 899 26. 496 1438. 2 17. Ø 17. 68 -1. 881 26. 853 32. 897 26. 498 1438. 2 17. Ø 17. 68 -1. 881 26. 853 32. 897 26. 498 1438. 2 18. Ø 18. 67 -1. 886 26. 855 32. 897 26. 498 1438. 2 28. Ø 26. 72 -1. 886 26. 855 32. 899 26. 56. 89 1438. 3 19. Ø 19. Ø 19. 78 -1. 886 26. 856 32. 899 26. 568 1438. 3 21. Ø 26. 72 -1. 886 26. 856 32. 996 26. 568 1438. 3 22. Ø 26. 72 -1. 886 26. 856 32. 915 26. 513 1438. 3 21. Ø 21. 72 -1. 886 26. 857 32. 899 26. 568 1438. 3 22. Ø 22. 76 -1. 886 26. 857 32. 915 26. 515 1438. 4 23. Ø 23. 73 -1. 886 26. 873 32. 917 26. 515 1438. 4 23. Ø 24. 76 -1. 799 26. 877 32. 917 26. 516 1438. 4 25. Ø 25. 79 -1. 799 26. 877 32. 923 26. 526 1438. 4 25. Ø 26. 78 -1. 886 26. 886 32. 946 26. 538 1438. 4 27. Ø 26. 86 -1. 886 26. 889 32. 946 26. 538 1438. 4 27. Ø 26. 88 -1. 886 26. 889 32. 946 26. 538 1438. 4 28. Ø 28. 81 -1. 886 26. 898 32. 947 26. 538 1438. 4 27. Ø 27. 83 -1. 886 26. 898 32. 947 26. 538 1438. 4 28. Ø 38. 89 -1. 886 26. 898 32. 946 26. 538 1438. 4 29. Ø 29. 83 -1. 886 26. 898 32. 947 26. 538 1438. 4 29. Ø 29. 83 -1. 886 26. 898 32. 948 26. 538 1438. 5 36. Ø 38. 89 -1. 886 26. 898 32. 948 26. 538 1438. 5 36. Ø 38. 89 -1. 886 26. 898 32. 948 26. 556 1438. 5 37. Ø 37. 99 -1. 799 26. 133 32. 946 26. 558 1438. 6 38. Ø 39. 99 -1. 886 26. 118 32. 947 26. 558 1438. 6 39. Ø 39. 99 -1. 886 26. 118 32. 947 26. 558 1438. 6 31. Ø 33. 98 31. 98 -1. 886 26. 118 32. 948 26. 556 1438. 4 31. Ø 34. 99 -1. 799 26. 123 32. 948 26. 556 1438. 4 32. Ø 34. 99 -1. 799 26. 133 32. 986 26. 557 1438. 9 39. Ø 39. 99 -1. 799 26. 133 32. 988 26. 557 1438. 9 39. Ø 39. 99 -1. 799 26. 133 32. 988 26. 557 1438. 9 39. Ø 39. 9							1438.1
11.8							
12.8 12.59 -1.883 26.845 32.898 26.493 1438.1 1438.1 14.8 14.66 -1.883 26.845 32.891 26.494 1438.2 14.8 14.66 -1.883 26.845 32.891 26.492 1438.2 16.8 15.6 16.66 -1.881 26.852 32.895 26.496 1438.2 16.8 16.66 -1.881 26.852 32.897 26.498 1438.2 18.8 18.67 -1.888 26.85 32.897 26.498 1438.2 18.8 18.67 -1.888 26.85 32.897 26.498 1438.2 18.8 18.67 -1.888 26.85 32.897 26.499 1438.3 19.8 19.78 -1.888 26.85 32.897 26.499 1438.3 19.8 19.78 -1.888 26.85 32.998 26.588 1438.2 22.8 22.76 -1.888 26.85 32.989 26.588 1438.3 22.8 22.8 22.75 -1.888 26.871 32.915 26.513 1438.3 22.8 22.8 22.75 -1.888 26.871 32.917 26.515 1438.4 25.8 24.76 -1.799 26.874 32.928 26.516 1438.4 25.8 25.79 -1.799 26.874 32.928 26.516 1438.4 25.8 25.79 -1.799 26.874 32.928 26.518 1438.4 27.8 26.8 25.79 -1.888 26.898 32.948 26.533 1438.5 28.8 28.81 -1.888 26.898 32.948 26.533 1438.5 28.8 28.81 -1.888 26.898 32.948 26.533 1438.5 29.8 28.81 -1.888 26.898 32.948 26.533 1438.5 29.8 28.81 -1.888 26.898 32.948 26.533 1438.5 29.8 28.81 -1.888 26.898 32.948 26.534 1438.4 27.8 38.8 28.81 -1.888 26.898 32.948 26.534 1438.4 27.8 33.8 36.89 -1.888 26.898 32.948 26.534 1438.5 34.8 38.89 -1.888 26.898 32.955 26.542 1438.5 33.8 33.98 31.8 33.98 -1.888 26.188 32.955 26.554 1438.6 33.8 33.98 -1.888 26.188 32.955 26.554 1438.6 33.8 33.98 -1.888 26.183 32.956 26.554 1438.6 33.8 33.98 -1.888 26.183 32.956 26.554 1438.6 33.8 33.98 34.99 -1.799 26.123 32.956 26.554 1438.6 33.8 33.98 34.99 -1.799 26.133 32.956 26.554 1438.6 33.8 33.98 33.99 -1.799 26.133 32.956 26.554 1438.6 34.8 34.99 -1.799 26.133 32.956 26.554 1438.6 34.8 34.99 -1.799 26.133 32.956 26.556 1438.6 34.8 34.99 -1.799 26.133 32.956 26.556 1438.6 33.8 33.9 33.9 39.9 -1.799 26.133 32.956 26.556 1438.6 34.8 34.99 -1.799 26.133 32.956 26.556 1438.6 33.8 34.8 33.9 39.9 -1.799 26.133 32.998 26.557 1438.9 34.8 34.8 34.99 -1.799 26.133 32.998 26.557 1438.9 34.8 34.9 1.799 26.133 32.998 26.557 1438.9 34.8 34.8 34.9 1.799 26.133 32.998 26.557 1438.9 34.8 34.8 34.9 1.799 26.133 32.998 26.558 1438.6 55.9 1439.1 55.8 55.9 1439.	10.0					26.493	
13.8							
14.8							
15. 8							
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27.8         27.83         -1.800         26.989         32.940         26.536         1438.5           28.8         28.81         -1.802         26.894         32.947         26.539         1438.5           29.0         29.83         -1.802         26.6998         32.950         26.542         1438.5           30.0         30.89         -1.800         26.100         32.952         26.542         1438.6           32.0         32.90         -1.799         26.100         32.956         26.546         1438.6           32.0         33.90         -1.800         26.107         32.960         26.550         1438.6           34.0         34.90         -1.799         26.113         32.960         26.555         1438.6           35.0         35.90         -1.800         26.113         32.960         26.556         1438.6           35.0         35.90         -1.800         26.113         32.960         26.556         1438.6           35.0         35.90         -1.800         26.113         32.967         26.556         1438.6           35.0         35.90         -1.799         26.123         32.979         26.566         1438.7 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>							
28.6         28.81         -1.801         26.991         32.947         26.536         1438.5           38.8         38.89         -1.802         26.694         32.947         26.539         1438.5           38.8         38.89         -1.806         26.898         32.950         26.542         1438.5           31.0         31.86         -1.806         26.103         32.952         26.544         1438.6           32.0         32.96         -1.799         26.103         32.956         26.546         1438.6           33.0         33.90         -1.800         26.107         32.960         26.556         1438.6           34.0         34.90         -1.799         26.112         32.966         26.556         1438.6           35.0         35.96         -1.800         26.113         32.966         26.556         1438.6           35.0         35.90         -1.799         26.123         32.970         26.558         1438.7           37.0         37.99         -1.799         26.123         32.970         26.556         1438.7           39.0         39.99         -1.799         26.123         32.971         26.559         1438.7 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
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36.8 36.96 -1.880 26.115 32.970 26.558 1438.7 37.0 37.99 -1.799 26.123 32.979 26.566 1438.7 38.0 38.96 -1.799 26.125 32.981 26.567 1438.7 39.0 39.99 -1.798 26.118 32.971 26.559 1438.7 40.0 41.01 -1.798 26.128 32.983 26.569 1438.8 41.0 42.01 -1.798 26.128 32.983 26.569 1438.8 42.0 43.01 -1.798 26.129 32.985 26.570 1438.8 43.0 44.07 -1.798 26.131 32.985 26.570 1438.8 43.0 44.07 -1.798 26.131 32.986 26.571 1438.8 44.0 45.09 -1.799 26.131 32.986 26.571 1438.8 45.0 46.0 6 -1.799 26.132 32.980 26.572 1438.8 46.0 47.0 9 -1.799 26.135 32.990 26.573 1438.8 46.0 47.0 9 -1.799 26.135 32.990 26.574 1438.9 49.0 50.13 -1.799 26.135 32.990 26.574 1438.9 49.0 50.13 -1.799 26.135 32.990 26.576 1438.9 50.13 -1.799 26.136 32.992 26.576 1438.9 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.577 1438.9 50.0 50.13 -1.799 26.136 32.994 26.576 1439.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0 5							
37.8         37.99         -1.799         26.123         32.979         26.566         1438.7           38.8         38.96         -1.799         26.125         32.981         26.567         1438.7           39.8         39.99         -1.798         26.118         32.971         26.559         1438.7           48.8         41.81         -1.798         26.128         32.983         26.569         1438.8           41.8         42.81         -1.798         26.129         32.983         26.569         1438.8           42.8         43.81         -1.798         26.130         32.985         26.570         1438.8           43.8         44.87         -1.798         26.131         32.986         26.571         1438.8           44.8         45.89         -1.799         26.132         32.988         26.571         1438.8           45.8         46.86         -1.799         26.133         32.989         26.573         1438.8           45.8         46.86         -1.799         26.135         32.996         26.574         1438.9           47.8         48.12         -1.799         26.135         32.999         26.576         1438.9 <td< td=""><td>35.0</td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	35.0						
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40.0       41.0       -1.798       26.128       32.983       26.569       1438.8         41.0       42.0       -1.798       26.129       32.983       26.569       1438.8         42.0       43.0       -1.798       26.130       32.985       26.570       1438.8         43.0       44.0       -1.799       26.131       32.986       26.571       1438.8         44.0       45.09       -1.799       26.132       32.989       26.572       1438.8         45.0       46.06       -1.799       26.135       32.990       26.574       1438.9         46.0       47.09       -1.799       26.135       32.990       26.574       1438.9         47.0       48.12       -1.799       26.135       32.990       26.574       1438.9         49.0       49.12       -1.799       26.135       32.991       26.576       1438.9         49.0       50.13       -1.799       26.135       32.994       26.576       1438.9         49.0       50.13       -1.799       26.138       32.994       26.576       1438.9         50.0       50.13       -1.799       26.138       32.994       26.576       1438.9 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
42.8       43.81       -1.798       26.138       32.985       26.578       1438.8         43.8       44.67       -1.798       26.131       32.986       26.571       1438.8         44.8       45.89       -1.799       26.132       32.988       26.572       1438.8         45.8       46.86       -1.799       26.133       32.989       26.573       1438.8         46.8       47.89       -1.799       26.135       32.990       26.574       1438.9         47.8       48.12       -1.799       26.135       32.991       26.575       1438.9         49.8       49.12       -1.799       26.137       32.992       26.576       1438.9         49.8       58.13       -1.799       26.137       32.992       26.576       1438.9         49.8       58.12       -1.799       26.138       32.994       26.576       1438.9         49.8       58.13       -1.799       26.138       32.994       26.577       1438.9         58.8       51.19       -1.798       26.148       32.994       26.578       1438.9         51.8       52.18       -1.795       26.158       33.002       26.581       1439.8						26.569	1438.8
43.0       44.07       -1.798       26.131       32.986       26.571       1438.8         44.0       45.09       -1.799       26.132       32.988       26.572       1438.8         45.0       46.06       -1.799       26.133       32.989       26.573       1438.8         46.0       47.09       -1.799       26.135       32.990       26.574       1438.9         47.0       48.12       -1.799       26.135       32.991       26.575       1438.9         48.0       49.12       -1.799       26.137       32.992       26.576       1438.9         49.0       50.13       -1.799       26.138       32.994       26.577       1438.9         50.0       51.19       -1.798       26.140       32.994       26.578       1438.9         51.0       52.18       -1.795       26.146       32.998       26.581       1439.0         52.0       53.16       -1.795       26.150       33.002       26.584       1439.0         53.0       54.22       -1.794       26.153       33.005       26.587       1439.0         54.0       55.23       -1.792       26.157       33.005       26.591       1439.1	41.0						
44.8       45.89       -1.799       26.132       32.988       26.572       1438.8         45.8       46.86       -1.799       26.133       32.989       26.573       1438.8         46.8       47.89       -1.799       26.135       32.998       26.574       1438.9         47.8       48.12       -1.799       26.135       32.991       26.575       1438.9         48.8       49.12       -1.799       26.137       32.992       26.576       1438.9         49.8       58.13       -1.799       26.138       32.994       26.577       1438.9         49.8       58.13       -1.799       26.138       32.994       26.577       1438.9         58.8       51.19       -1.798       26.148       32.994       26.578       1438.9         51.8       52.18       -1.795       26.146       32.998       26.581       1439.8         52.8       53.16       -1.795       26.158       33.802       26.584       1439.8         53.8       54.22       -1.794       26.153       33.805       26.589       1439.1         55.8       55.23       -1.792       26.157       33.805       26.589       1439.1							1438.8
45.0       46.06       -1.799       26.133       32.989       26.573       1438.8         46.0       47.09       -1.799       26.135       32.990       26.574       1438.9         47.0       48.12       -1.799       26.135       32.991       26.575       1438.9         48.0       49.12       -1.799       26.137       32.992       26.576       1438.9         49.0       50.13       -1.799       26.138       32.994       26.577       1438.9         50.0       51.19       -1.798       26.140       32.994       26.578       1438.9         51.0       52.18       -1.795       26.146       32.998       26.578       1438.9         52.0       53.16       -1.795       26.150       33.002       26.581       1439.0         53.0       54.22       -1.794       26.153       33.002       26.584       1439.0         54.0       55.23       -1.792       26.157       33.009       26.589       1439.1         55.0       56.21       -1.789       26.160       33.011       26.591       1439.1         57.0       58.26       -1.787       26.167       33.016       26.593       1439.1							
46.0       47.09       -1.799       26.135       32.990       26.574       1438.9         47.0       48.12       -1.799       26.135       32.991       26.575       1438.9         48.0       49.12       -1.799       26.137       32.992       26.576       1438.9         49.0       50.13       -1.799       26.138       32.994       26.577       1438.9         50.0       51.19       -1.798       26.140       32.994       26.578       1438.9         51.0       52.18       -1.795       26.146       32.998       26.581       1439.0         52.0       53.16       -1.795       26.150       33.002       26.584       1439.0         53.0       54.22       -1.794       26.153       33.005       26.587       1439.0         54.0       55.23       -1.792       26.157       33.009       26.589       1439.1         55.0       56.21       -1.790       26.160       33.011       26.591       1439.1         56.0       57.25       -1.787       26.164       33.013       26.593       1439.1         57.0       58.26       -1.787       26.167       33.016       26.596       1439.2							
48.8       49.12       -1.799       26.137       32.992       26.576       1438.9         49.0       50.13       -1.799       26.138       32.994       26.577       1438.9         50.0       51.19       -1.798       26.140       32.994       26.578       1438.9         51.0       52.18       -1.795       26.146       32.998       26.581       1439.0         52.0       53.16       -1.795       26.150       33.002       26.584       1439.0         53.0       54.22       -1.794       26.153       33.005       26.587       1439.0         54.0       55.23       -1.792       26.157       33.009       26.589       1439.1         55.0       56.21       -1.790       26.160       33.011       26.591       1439.1         56.0       57.25       -1.789       26.164       33.013       26.593       1439.1         57.0       58.26       -1.787       26.167       33.016       26.595       1439.1         59.0       60.29       -1.787       26.169       33.017       26.596       1439.2         59.0       60.29       -1.786       26.171       33.018       26.596       1439.2			-1.799		32.990		
49.0       50.13       -1.799       26.138       32.994       26.577       1438.9         50.0       51.19       -1.798       26.140       32.994       26.578       1438.9         51.0       52.18       -1.795       26.146       32.998       26.581       1439.0         52.0       53.16       -1.795       26.150       33.002       26.584       1439.0         53.0       54.22       -1.794       26.153       33.005       26.587       1439.0         54.0       55.23       -1.792       26.157       33.009       26.589       1439.1         55.0       56.21       -1.790       26.160       33.011       26.591       1439.1         56.0       57.25       -1.789       26.164       33.013       26.593       1439.1         57.0       58.26       -1.787       26.167       33.016       26.595       1439.1         59.0       59.27       -1.787       26.169       33.017       26.596       1439.2         59.0       60.29       -1.787       26.170       33.017       26.596       1439.2         60.0       61.35       -1.786       26.172       33.019       26.597       1439.2							
5Ø.Ø         51.19         -1.798         26.14Ø         32.994         26.578         1438.9           51.Ø         52.18         -1.795         26.146         32.998         26.581         1439.Ø           52.Ø         53.16         -1.795         26.15Ø         33.ØØ2         26.584         1439.Ø           53.Ø         54.22         -1.794         26.153         33.ØØ5         26.587         1439.Ø           54.Ø         55.23         -1.792         26.157         33.ØØ9         26.589         1439.1           55.Ø         56.21         -1.79Ø         26.16Ø         33.Ø11         26.591         1439.1           56.Ø         57.25         -1.789         26.16Ø         33.Ø13         26.593         1439.1           57.Ø         58.26         -1.787         26.167         33.Ø16         26.595         1439.1           58.Ø         59.27         -1.787         26.169         33.Ø17         26.596         1439.2           59.Ø         60.29         -1.787         26.17Ø         33.Ø17         26.596         1439.2           60.Ø         61.35         -1.786         26.171         33.Ø18         26.596         1439.2 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
51.0       52.18       -1.795       26.146       32.998       26.581       1439.0         52.0       53.16       -1.795       26.150       33.002       26.584       1439.0         53.0       54.22       -1.794       26.153       33.005       26.587       1439.0         54.0       55.23       -1.792       26.157       33.009       26.589       1439.1         55.0       56.21       -1.790       26.160       33.011       26.591       1439.1         56.0       57.25       -1.789       26.164       33.013       26.593       1439.1         57.0       58.26       -1.787       26.167       33.016       26.595       1439.1         59.0       59.27       -1.787       26.169       33.017       26.596       1439.2         59.0       60.29       -1.787       26.170       33.017       26.596       1439.2         60.0       61.35       -1.786       26.171       33.018       26.596       1439.2         61.0       62.31       -1.786       26.172       33.019       26.597       1439.2         62.0       63.37       -1.786       26.174       33.020       26.598       1439.2							
52.0     53.16     -1.795     26.150     33.002     26.584     1439.0       53.0     54.22     -1.794     26.153     33.005     26.587     1439.0       54.0     55.23     -1.792     26.157     33.009     26.589     1439.1       55.0     56.21     -1.790     26.160     33.011     26.591     1439.1       56.0     57.25     -1.789     26.164     33.013     26.593     1439.1       57.0     58.26     -1.787     26.167     33.016     26.595     1439.1       58.0     59.27     -1.787     26.169     33.017     26.596     1439.2       59.0     60.29     -1.787     26.169     33.017     26.596     1439.2       60.0     61.35     -1.786     26.171     33.018     26.596     1439.2       61.0     62.31     -1.786     26.172     33.019     26.597     1439.2       62.0     63.37     -1.786     26.174     33.020     26.598     1439.2							
54.0     55.23     -1.792     26.157     33.009     26.589     1439.1       55.0     56.21     -1.790     26.160     33.011     26.591     1439.1       56.0     57.25     -1.789     26.164     33.013     26.593     1439.1       57.0     58.26     -1.787     26.167     33.016     26.595     1439.1       58.0     59.27     -1.787     26.169     33.017     26.596     1439.2       59.0     60.29     -1.787     26.170     33.017     26.596     1439.2       60.0     61.35     -1.786     26.171     33.018     26.596     1439.2       61.0     62.31     -1.786     26.172     33.019     26.597     1439.2       62.0     63.37     -1.786     26.174     33.020     26.598     1439.2				26.150			
55.0     56.21     -1.790     26.160     33.011     26.591     1439.1       56.0     57.25     -1.789     26.164     33.013     26.593     1439.1       57.0     58.26     -1.787     26.167     33.016     26.595     1439.1       58.0     59.27     -1.787     26.169     33.017     26.596     1439.2       59.0     60.29     -1.787     26.170     33.017     26.596     1439.2       60.0     61.35     -1.786     26.171     33.018     26.596     1439.2       61.0     62.31     -1.786     26.172     33.019     26.597     1439.2       62.0     63.37     -1.786     26.174     33.020     26.598     1439.2							
56.Ø       57.25       -1.789       26.164       33.Ø13       26.593       1439.1         57.Ø       58.26       -1.787       26.167       33.Ø16       26.595       1439.1         58.Ø       59.27       -1.787       26.169       33.Ø17       26.596       1439.2         59.Ø       6Ø.29       -1.787       26.17Ø       33.Ø17       26.596       1439.2         6Ø.Ø       61.35       -1.786       26.171       33.Ø18       26.596       1439.2         61.Ø       62.31       -1.786       26.172       33.Ø19       26.597       1439.2         62.Ø       63.37       -1.786       26.174       33.Ø2Ø       26.598       1439.2							
57.0     58.26     -1.787     26.167     33.016     26.595     1439.1       58.0     59.27     -1.787     26.169     33.017     26.596     1439.2       59.0     60.29     -1.787     26.170     33.017     26.596     1439.2       60.0     61.35     -1.786     26.171     33.018     26.596     1439.2       61.0     62.31     -1.786     26.172     33.019     26.597     1439.2       62.0     63.37     -1.786     26.174     33.020     26.598     1439.2							
58.Ø     59.27     -1.787     26.169     33.Ø17     26.596     1439.2       59.Ø     6Ø.29     -1.787     26.17Ø     33.Ø17     26.596     1439.2       6Ø.Ø     61.35     -1.786     26.171     33.Ø18     26.596     1439.2       61.Ø     62.31     -1.786     26.172     33.Ø19     26.597     1439.2       62.Ø     63.37     -1.786     26.174     33.Ø2Ø     26.598     1439.2				26.167	33.Ø16	26.595	1439.1
60.0 61.35 -1.786 26.171 33.018 26.596 1439.2 61.0 62.31 -1.786 26.172 33.019 26.597 1439.2 62.0 63.37 -1.786 26.174 33.020 26.598 1439.2	58.0	59.27	-1.787				
61.0 62.31 -1.786 26.172 33.019 26.597 1439.2 62.0 63.37 -1.786 26.174 33.020 26.598 1439.2							
62.0 63.37 -1.786 26.174 33.020 26.598 1439.2							
63.0 64.39 -1.785 26.176 33.022 26.600 1439.3					33.022	26.600	1439.3

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(0/00)		(M/SEC)
	CF 00	-1.784	26.179	33.024	26.602	1439.3
64.0	65.38	-1.783	26.181	33.026	26.683	1439.3
65.0	66.41	-1.783	26.183	33.027	26.604	1439.3
66.Ø 67.Ø	68.39	-1.782	26.184	33.028	26.605	1439.3
68.0	69.42	-1.782	26.185	33.029	26.605	1439.4
69.0	70.46	-1.782	26.186	33.029	26.606	1439.4
70.0	71.41	-1.782	26.187	33.030	26.606	1439.4
71.0	72.50	-1.782	26.188	33.030	26.607	1439.4
72.0	73.45	-1.782	26.188	33.030	26.606	1439.4
73.0	74.48	-1.782	26.189	33.030	26.607	1439.4
74.0	75.54	-1.782	26.190	33.031	26.607	1439.5
75.Ø	76.49	-1.782	26.19Ø 26.191	33.Ø31 33.Ø32	26.6Ø7 26.6Ø7	1439.5
76.Ø	77.56	-1.782 -1.781	26.192	33.032	26.608	1439.5
77.Ø 78.Ø	78.53 79.57	-1.781	26.193	33.032	26.608	1439.5
79.8	80.62		26.194	33.034	26.609	1439.6
80.0	81.59	-1.781 -1.780	26.197	33.036	26.611	1439.6
81.0	82.63		26.198	33.037	26.612	1439.6
82.0	83.63	-1.781	26.199	33.037	26.612	1439.6
83.0	84.54	-1.78Ø -1.778 -1.778	26.200	33.038	26.613	1439.6
84.0	85.65	-1.778	26.203	33.040	26.614	1439.7
85.0	86.65		26.204	33.040	26.615	1439.7
86.0	87.71	-1.778	26.206	33.042	26.616	1439.7
87.0	88.70	-1.778	26.2Ø7 26.2Ø9	33.Ø44 33.Ø45	26.617 26.618	1439.7
88.0	89.73 90.75	-1.778 -1.778	26.209	33.044	26.618	1439.8
89.Ø 9Ø.Ø	91.73	-1.778	26.218	33.045	26.618	1439.8
91.0	92.79	-1.778	26.211	33.046	26.619	1439.8
92.0	93.76	-1.778	26.212	33.046	26.619	1439.8
93.0	94.80	-1.778	26.211	33.044	26.618	1439.8
94.0	95.80	-1.777	26.212	33.045	26.619	1439.8
95.0	96.82	-1.778	26.213	33.046	26.619	1439.9
96.0	97.85	-1.778	26.214	33.047	26.620	1439.9
97.0	98.84	-1.777	26.215	33.Ø47	26.620	1439.9
98.0	99.87	-1.777	26.215	33.047	26.620	1439.9
99.0	100.85	-1.777 -1.777	26.216 26.218	33.Ø47 33.Ø49	26.620 26.621	1439.9
100.0 101.0	1Ø1.91 1Ø2.9Ø	-1.776	26.219	33.049	26.621	1440.0
102.0	103.91	-1.776	26.219	33.048	26.620	1440.0
103.0	104.95	-1.775	26.220	33.048	26.621	1440.0
104.0	1Ø5.96	-1.776	26.221	33.050	26.622	1440.0
105.0	106.93	-1.775	26.223	33.050	26.622	1440.0
106.0	108.01	-1.775	26.224	33.051	26.623	1440.1
187.8	109.01	-1.773	26.226	33.052	26.624	1440.1
108.0	109.99	-1.771	26.229	33.053	26.625	1440.1
109.0	111.06	-1.770	26.231	33.054	26.626 26.627	1440.1
110.0	112.06 113.04	-1.77Ø -1.77Ø	26.233	33.Ø56 33.Ø57	26.628	1440.2
111.0	114.10	-1.778	26.235	33.057	26.628	1440.2
113.0	115.08	-1.769	26.236	33.057	26.628	1440.2
114.0	116.08	-1.769	26.236	33.057	26.628	1440.2
115.0	117.15	-1.768	26.239	33.060	26.630	1440.3
116.0	118.15	-1.768	26.240	33.061	26.631	1440.3
117.0	119.11	-1.768	26.240	33.060	26.630	1440.3
118.0	120.21	-1.768	26.241	33.060	26.638	1440.3
119.0	121.16	-1.768	26.242	33.060	26.630	1440.3
120.0	122.19	-1.767	26.243	33.061	26.631 26.63Ø	1440.3
121.0	123.24	-1.768 -1.767	26.243 26.244	33.060 33.061	26.631	1440.4
122.Ø 123.Ø	125.23	-1.767	26.245	33.061	26.631	1440.4
124.0	126.29	-1.767	26.245	33.061	26.631	1440.4
125.0	127.25	-1.767	26.246	33.063	26.632	1440.4
126.0	128.30	-1.767	26.247	33.062	26.632	1440.4
127.0	129.30	-1.766	26.247	33.062	26.632	1440.5
128.0	130.30	-1.766	26.249	33.063	26.633	1440.5
129.0	131.34	-1.766	26.250	33.063	26.633	1440.5
130.0	132.34	-1.764	26.252	33.064	26.634	1440.5

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(9/99)	0 2 2 1 11 1 1	(M/SEC)
(11)	( ) )	(11111111111111111111111111111111111111	( ) ) ) )	(2,22,		
131.0	133.34	-1.764	26.254	33.066	26.635	1440.5
132.0	134.38	-1.763	26.256	33.067	26.636	1440.6
133.6	135.37	-1.763	26.257	33.068	26.637	1440.6
134.0	136.40	-1.763	26.257	33.068	26.637	1440.6
135.0	137.39	-1.762	26.259	33.069	26.638	1440.6
136.0	138.39	-1.762	26.261	33.071	26.639	1440.6
137.0	139.46	-1.762	26.262	33.072	26.640	1448.7
138.0	140.41	-1.762	26.263	33.072	26.640	1440.7
139.0	141.47	-1.760	26.266	33.073	26.641	1448.7
140.0	142.48	-1.760	26.267	33.074	26.641	1440.7
		-1.760	26.267	33.073	26.641	1440.7
141.0	143.44	-1.760	26.268	33.074	26.641	1440.8
142.0	144.52		26.268	33.074	26.641	1440.8
143.0	145.48	-1.760		33.074	26.642	1440.8
144.0	146.55	-1.759	26.269			
145.0	147.54	-1,.758	26.271	33.075	26.642	1440.8
146.0	148.51	-1.758	26.272	33.076	26.643	1440.8
147.0	149.57	-1.758	26.274	33.077	26.643	1440.9
148.0	150.55	-1.757	26.275	33.077	26.644	1440.9
149.0	151.61	-1.757	26.275	33.077	26.644	1440.9
150.0	152.58	-1.757	26.276	33.078	26.644	1440.9
151.Ø	153.63	-1.757	26.277	33.078	26.645	1440.9
152.Ø	154.64	-1.756	26.279	33.079	26.646	1441.0
153.0	155.66	-1.756	26.279	33.080	26.646	1441.0
154.0	156.7Ø	-1.756	26.280	33.079	26.645	1441.0
155.0	157.65	-1.756	26.280	33.080	26.646	1441.0
156.0	158.74	-1.756	26.280	33.079	26.645	1441.0
157.0	159.67	-1.757	26.282	33.081	26.647	1441.0
158.0	160.74	-1.757	26.282	33.081	26.647	1441.1
159.0	161.73	-1.757	26.283	33.081	26.647	1441.1
160.0	162.79	-1.757	26.284	33.082	26.648	1441.1
161.0	163.77	-1.757	26.285	33.083	26.649	1441.1
162.0	164.82	-1.756	26.285	33.083	26.648	1441.1
163.0	165.81	-1.756	26.286	33.082	26.648	1441.1
164.0	166.82	-1.757	26.286	33.083	26.649	1441.2
165.0	167.83	-1.757	26.286	33.082	26.648	1441.2
166.0	168.87	-1.757	26.286	33.082	26.648	1441.2
167.0	169.86	-1.757	26.286	33.082	26.648	1441.2
168.0	17Ø.9Ø	-1.757	26.287	33.082	26.648	1441.2
169.0	171.88	-1.757	26.288	33.082	26.648	1441.2
170.0	172.89	-1.757	26.288	33.082	26.648	1441.3
171.0	173.96	-1.757	26.288	33.082	26.648	1441.3
172.0	174.92	-1.756	26.289	33.082	26.648	1441.3
173.0	175.96	-1.756	26.290	33.082	26.648	1441.3
174.0	176.99	-1.756	26.290	33.082	26.648	1441.3
	177.98	-1.756	26.291	33.082	26.648	1441.3
175.0		-1.756	26.291	33.082	26.648	1441.4
176.0	179.02			33.082	26.648	1441.4
177.0	180.01	-1.756	26.292 26.292	33.082	26.648	1441.4
178.0	181.04	-1.756		33.082	26.648	1441.4
179.0	182.05	-1.756	26.293 26.293	33.082	26.648	1441.4
180.0	183.05	-1.757		33.082	26.648	1441.4
181.0	184.10	-1.757	26.293	33.082	26.648	1441.5
182.0	185.07	-1.757	26.293	33.082	26.648	1441.5
183.0	186.10	-1.757	26.294	33.082	26.648	1441.5
184.0	187.14	-1.757	26.294		26.648	1441.5
185.0	188.14	-1.757	26.295	33.083		1441.5
186.0	189.17	-1.757	26.295	33.083	26.648	1441.5
187.0	190.18	-1.757	26.296	33.082	26.648	
188.0	191.17	-1.757	26.296	33.083	26.648	1441.6
189.0	192.24	-1.757	26.297	33.083	26.648	1441.6
190.0	193.20	-1.757	26.297	33.082	26.548	1441.6
191.0	194.24	-1.757	26.298	33.083	26.649	1441.6
192.0	195.25	-1.757	26.298	33.083	26.649	1441.6
193.0	196.26	-1.757	26.298	33.083	26.649	1441.6
194.0	197.29	-1.757	26.299	33.083	26.648	1441.7
195.0	198.28	-1.757	26.300	33.083	26.649	1441.7
196.0	199.32	-1.756	26.300	33.083	26.648	1441.7
197.0	200.29	-1.757	26.300	33.083	26.648	1441.7

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(8/80)		(M/SEC)
		1 756	26.301	33.083	26.648	1441.7
198.0	201.34	-1.756 -1.756	26.302	33.083	26.648	1441.7
199.0	203.37	-1.757	26.302	33.083	26.649	1441.8
200.0 201.0	204.42	-1.758	26.302	33.083	26.649	1441.8
202.0	205.39	-1.759	26.301	33.083	26.649	1441.8
203.0	206.45	-1.760	26.301	33.083	26.649	1441.8
204.0	207.42	-1.760	26.301	33.Ø84 33.Ø83	26.649 26.649	1441.8
205.0	208.46	-1.759 -1.759	26.3Ø3 26.3Ø3	33.083	26.649	1441.8
206.0 207.0	210.48	-1.761	26.302	33.083	26.649	1441.9
208.0	211.49	-1.761	26.302	33.083	26.649	1441.9
209.0	212.49	-1.759	26.304	33.083	/n.nay	1441.7
210.0	213.53	-1.760	26.304	33.084	26.649	1441.9
211.0	214.50	-1.759	26.306	33.Ø84 33.Ø84	26.649	
212.0	215.57	-1.759 -1.757	26.3Ø6 26.3Ø7	33.083	26.649 26.649	1442.0
213.Ø 214.Ø	216.54 217.60	-1.757	26.309	33.084	26.649	1442.0
215.0	218.59		26.308	33.083	26.649	1442.0
216.0	219.63	-1.757 -1.757	26.309	33.084	26.649	1442.0
217.0	220.60	-1.757 -1.757	26.309	33.083	26.649	1442.Ø 1442.1
218.0	221.65	-1.757	26.31Ø 26.311	33.Ø83 33.Ø83	26.649 26.649	1442.1
219.0	222.65 223.67	-1.756 -1.757	26.311	33.083	26.649	
220.0 221.0	224.68	-1.757	26.312	33.084	26.649	1442.1
222.0	225.69	-1./56	26.312	33.084	26.649	
223.0	226.74	-1.756	26.314	33.084	26.650	1442.1
224.0	227.73	-1.756	26.314	33.084	26.649	1442.2
225.8	228.76	-1.753	26.316	33.Ø85 33.Ø84	26.65Ø 26.649	1442.2
226.0	229.74	-1.753 -1.755	26.317 26.316	33.084	26.650	1442.2
227.0	230.80 231.77	-1.754	26.317	33.084	26.650	1442.2
229.0	232.82	-1.754	26.317	33.084	26.649	1442.3
230.0	233.82	-1.755	26.317	33.084	26.650	1442.3
231.0	234.80	-1.755	26.318	33.084	26.650	1442.3
232.0	235.85	-1.754	26.319	33.Ø84 33.Ø84	26.65Ø 26.649	1442.3
233.0	236.82 237.91	-1.755 -1.752	26.318 26.323	33.086	26.651	1442.3
234.Ø 235.Ø	238.86	-1.754	26.322	33.086	26.651	1442.4
236.0	239.92	-1.755	26.321	33.086	26.651	1442.4
237.0	248.94	-1.755	26.321	33.087	26.651	1442.4
238.0	241.90	-1.756	26.322	33.086	26.651 26.652	1442.4
239.0	242.92	-1.757 -1.756	26.322 26.323	<b>33.</b> Ø87 <b>33.</b> Ø88	26.653	1442.4
240.0	243.95 244.98	-1.755	26.325	33.088	26.653	1442.5
242.0	245.97	-1.755	26.325	33.088	26.653	1442.5
243.0	246.97	-1.754	26.327	33.090	26.654	1442.5
244.0	247.98	-1.753	26.329	33.090	26.654	1442.5
245.0	249.02	-1.751	26.332	33.Ø92 33.Ø91	26.655 26.655	1442.5
246.0	25Ø.Ø3 251.Ø7	-1.751 -1.751	26.333 26.333	33.092	26.656	1442.6
247.Ø 248.Ø	252.08	-1.751	26.333	33.091	26.655	1442.6
249.8	253.07	-1.751	26.334	33.091	26.655	1442.6
250.0	254.05	-1.751	26.334	33.092	26.656	1442.6
251.0	255.09	-1.750	26.336	33.092	26.656	1442.6
252.0	256.10	-1.751	26.336	33.Ø93 33.Ø91	26.657 26.655	1442.7
253.0	257.13	-1.751 -1.752	26.335 26.336	33.092	26.656	1442.7
254.Ø 255.Ø	258.18 25 <b>9.</b> 19	-1.752	26.336	33.092	26.656	1442.7
256.Ø	260.20	-1.752	26.336	33.092	26.656	1442.7
257.0	261.16	-1.753	26.336	33.091	26.655	1442.7
258.Ø	262.15	-1.753	26.336	33.091	26.655	1442.7
259.0	263.19	-1.753	26.337	33.Ø92 33.Ø92	26.656 26.656	1442.8
260.Ø 261.Ø	26 <b>4.2</b> 3 2 <b>65.2</b> 6	-1.752 -1.754	26.338 26.338	33.093	26.656	1442.8
262.0	266.29	-1.753	26.337	33.090	26.655	1442.8
263.0	267.31	-1.753	26.338	33.091	26.655	1442.8
264.0	268.32	-1.753	26.339	33.091	26.655	1442.9

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø	269.32	-1.753	26.341	33.094	26.658	1442.9
266.Ø	270.30	-1.752	26.342	33.093	26.657	1442.9
267.Ø	271.31	-1.750	26.343	33.093	26.657	1442.9
268.Ø	272.34	-1.749	26.346	33.094	26.657	1442.9
269.Ø	273.30	-1.745	26.349	33.094	26.657	1443.0



CRUISE 15-77-821 CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3824

LAT.N. 75-29-49 LONG.W. 97-82-56 DATE 848477 G.M.T. 8528
U.T.M. ZONE 14 8379694 N 554524 E DEPTH INCR 1.88 WATER DEPTH 271 M

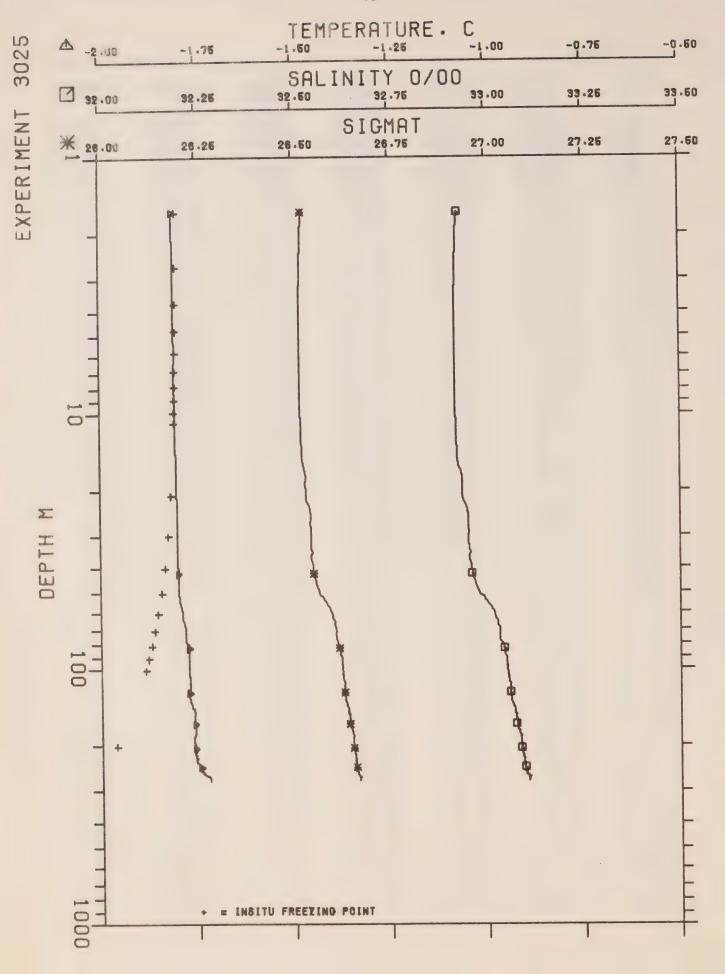
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (8/88)	SIGMAT	SOUND (M/SEC)
2.0	2.51	-1.806	26.844	32,898	26.500	1438.0
3.0	3.64	-1.806	26.045	32.898	26.500	1438.0
4.0	4.60	-1.806	26.046	32.900	26.501	1438.Ø
5.0	5.66	-1.806	26.050	32.905	26.505	1438.0
6.0	6.62	-1.806	26.052	32.907	26.507	1438.0
7.10	7.66	-1.806	26.055	32.911	26.510	1438.1
8.0	8.66	-1.806	26.059	32.916 32.922	26.514 26.519	1438.1
9.0	9.7Ø 1Ø.66	-1.806 -1.807	26.Ø64 26.Ø66	32.924	26.519	1438.1
10.0	11.75	-1.807	26.868	32.927	26.523	1438.2
12.0	12.72	-1.806	26.070	32.929	26.525	1438.2
13.0	13.76	-1.806	26.072	32.930	26.526	1438.2
14.8	14.73	-1.806	26.073	32.931	26.526	1438.2
15.0	15.80	-1.806	26.074	32.931	26.526	1438.2
16.0	16.76	-1.806	26.074	32.931	26.527	1438.2
17.0	17.82	-1.805	26.075	32.932	26.527	1438.3
18.0	18.78	-1.805	26.077	32.933 32.933	26.528 26.528	1438.3
19.0	19.83	-1.805 -1.804	26.Ø77 26.Ø79	32.933	26.529	1438.3
20.0 21.0	2Ø.81 21.87	-1.804	26.080	32.935	26.529	1438.3
22.0	22.83	-1.804	26.080	32.935	26.530	1438.4
23.0	23.87	-1.804	26.081	32.935	26.530	1438.4
24.0	24.87	-1.804	26.082	32.935	26.530	1438.4
25.Ø	25.85	-1.805	26.083	32.937	26.531	1438.4
26.0	26.93	-1.805	26.083	32.936	26.531	1438.4
27.0	27.86	-1.805	26.083	32.936	26.530	1438.4
28.0	28.92	-1.8Ø5 -1.8Ø4	26.Ø84 26.Ø84	32.936 32.936	26.531 26.530	1438.5
29.Ø 3Ø.Ø	29.93 30.90	-1.803	26.087	32.939	26.533	1438.5
31.0	31.98	-1.804	26.087	32.938	26.532	1438.5
32.0	32.96	-1.803	26.089	32.939	26.533	1438.5
33.0	33.94	-1.803	26.090	32.940	26.534	1438.6
34.0	34.97	-1.800	26.097	32.947	26.539	1438.6
35.0	35.96	-1.798	26.107	32.958	26.548	1438.6
36.0	36.97	-1.798	26.109	32.96Ø 32.959	26.55Ø 26.549	1438.7
37.0	37.98 39.00	-1.798 -1.799	26.1Ø9 26.1Ø9	32.959	26.549	1438.7
38.Ø 39.Ø	40.02	-1.799	26.111	32.962	26.551	1438.7
40.0	41.01	-1.799	26.116	32.967	26.556	1438.7
41.0	42.01	-1.799	26.118	32.970	26.558	1438.7
42.0	43.04	-1.799	26.118	32.970	26.558	1438.8
43.0	44.08	-1.799	26.119	32.970	26.558	1438.8
44.0	45.07	-1.798	26.122	32.973 32.975	26.56Ø 26.562	1438.8
45.0	46.14	-1.799 -1.799	26.124 26.124	32.976	26.563	1438.8
46.Ø 47.Ø	47.17 48.18	-1.800	26.126	32.978	26.564	1438.9
48.0	49.21	-1.800	26.128	32.981	26.567	1438.9
49.0	50.21	-1.799	26.130	32.983	26.568	1438.9
50.0	51.20	-1.799	26.132	32.984	26.569	1438.9
51.0	52.22	-1.799	26.133	32.985	26.578	1438.9
52.0	53.22	-1.799	26.134	32.986 32.987	26.571 26.571	1439.Ø 1439.Ø
53.0	54.26	-1.798	26.136 26.138	32.989	26.573	1439.0
54.Ø 55.Ø	55.26 56.25	-1.798 -1.798	26.140	32.990	26.574	1439.0
56.0	57.28	-1.797	26.141	32.991	26.575	1439.0
57.0	58.29	-1.797	26.142	32.992	26.576	1439.1
58.0	59.29	-1.797	26.144	32.994	26.577	1439.1
59.Ø	60.33	-1.796	26.145	32.994	26.578 26.579	1439.1
60.0	61.33	-1.796	26.147	32.996 32.996	26.579	1439.1
61.0	62.37	-1.796	26.148 26.149	32.997	26.580	1439.2
62.Ø	63.39	-1.795 -1.793	26.155	33.002	26.584	1439.2
63.0	64.44	-1.755	20.100	00100		

					EMI ENT	
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (8/88)	SIGMAT	SOUND (M/SEC)
	er ir	-1.792	26.159	33.005	26.586	1439.2
64.0	65.45 66.45	-1.792	26.160	33.007	26.587	1439.2
65.8	67.47	-1.792	26.163	33.010	26.590	1439.3
66.0	68.46	-1.792	26.163	33.009	26.589	1439.3
67.Ø	69.51	-1.792	26.165	33.011	26.591	1439.3
69.0	70.49	-1.791	26.167	33.013	26.593	1439.3
70.0	71.48	-1.791	26.169	33.014	76.597	1439.3
71.0	72.54	-1.798 -1.798	26.178	33.014	36 204	1439.4
72.0	73.52			33.Ø14 33.Ø16 33.Ø16	20.30	1410.1
73.0	74.55	-1.789	26.173		26.507	1470.1
74.0	75.57	-1.789	26.175	33.018	26.598	162076
75.0	76.59	-1.788 -1.787	26.177	33.Ø19 33.Ø2Ø	26.598	1210.2
76.0		-1.787	26.178	33.027	26.604	1439.5
77.0	78.61	-1.783	26.187 26.189	33.028	26.605	1439.5
78.0	79.59	-1.783 -1.781			26.606	1439.6
79.0	80.62	1 700	26 105	33.030 33.033 33.033	26.608	1439.6
80.0	81.63 82.62	-1.780	26.196	33.Ø33		1439.6
81.Ø 82.Ø	83.65	1 700	26 107	33.Ø33 33.Ø34	26.609	1439.6
83.0	84.65	-1.780	26.198	33.034	26.618	1439.6
84.0	85.65	a made dat	26.199	33.Ø34 33.Ø35		1439.6
85.0	86.69	-1.78Ø -1.78Ø	26.199	33.Ø36 33.Ø37	26.611	1439.7
86.0	87.72		26.200	33.037	26.611	1439.7
87.0	88.73	-1.78Ø -1.779	26.202	33.838	26.612	1439.7
88.0	89.76	-1.779	26.203	33.038	20.012	1439.7
89.0	90.79	-1.779 -1.779	26.204	33.038	26.613	1439.7
90.0	91.78	-1.779	26.204	33.038	26.612	
91.0	92.79	-1.779 -1.779	26.205	33.039	26.614 26.613	1439.8
92.0	93.89	-1.779 -1.779	26.206	33.039	26.614	1439.8
93.0	94.81	-1.779	26.287 26.286	33.039	26.613	1439.8
94.0	95.82	-1.779 -1.779	26.207	33.039	26.613	1439.8
95.0	96.81	-1.779	26.207	33.039	26.613	1439.9
96.0	97.84 98.87		26.289	33.040	26.614	1439.9
97.Ø 98.Ø	99.98	-1 779	26 210	33.841	26.615	1439.9
99.0	100.93	-1.779	26.218	33.841	26.615	1439.9
100.0	101.94	-1.779	26.218	33.041	26.615	1439.9
101.0	102.94	-1.779	25.210	33.039	26.614	
102.0	103.97	-1.778	26.214	33.043	26.617	1440.0
103.0	104.96	-1.778	26.213	33.042	26.616	
104.0	106.01	-1.778	26.215	33.044	26.617	1440.0
105.0	107.01	-1.778	26.214	33.042	26.616	1440.0
106.0	108.01	-1.778	26.216	33.044	26.618 26.617	
107.0	109.00	-1.778			26.619	1440.1
108.0	110.03	-1.778	26.218	33.Ø46 33.Ø46	26.619	1440.1
109.0	111.04	-1.778 -1.778	26.219 26.22Ø	33.047	26.620	144Ø.I
110.0	112.04	-1.778	26.218	33.844	26.618	1440.1
111.0	113.06 114.06	-1.778	26.220	33.046	26.619	1440.1
112.0	115.07	-1.778	26.221	33.046	26.619	1448.2
114.0	116.07	-1.778	26.221	33.047	26.620	1440.2
115.0	117.10	-1.778	26.222	33.Ø47	26.620	1440.2
116.0	118.11	-1.778	26.223	33.Ø47	26.620	1440.2
117.0	119.12	-1.778	26.224	33.048	26.621	1440.2
118.0	120.10	-1.777	26.224	33.047	26.620	1440.2
119.0	121.15	-1.777	26.225	33.047	26.620	1440.3
120.0	122.15	-1.777	26.226	33.049	26.621	1440.3
121.0	123.19	-1.777	26.226	33.048	26.621	1440.3
122.0	124.22	-1.777	26.227	33.048	26.621 26.621	1440.3
123.0	125.21	-1.777	26.228 26.229	33.Ø49 33.Ø49	26.621	1440.3
124.0	126.23	-1.776	26.239	33.049	26.622	1440.4
125.0	127.25	-1.776 -1.776	26.231	33.050	26.622	1440.4
126.0 127.0	128.23 129.29	-1.776	26.231	33.050	26.623	1440.4
128.0	130.29	-1.776	26.232	33.050	26.623	1440.4
129.0	131.30	-1.776	26.232	33.050	26.622	1440.4
130.0	132.36	-1.776	26.233	33.050	26.622	1440.5

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(0/00)		(M/SEC)
					06 600	1440.5
131.0	133.33	-1.774	26.236	33.052	26.623 26.624	1440.5
132.0	134.38	-1.773	26.237	33.Ø52 33.Ø53	26.625	1440.5
133.0	135.39	-1.773	26.238 26.24Ø	33.053	26.625	1440.5
134.0	136.37	-1.772 -1.772	26.241	33.055	26.626	1440.6
135.0	137.39	-1.770	26.243	33.055	26,627	1440.6
136.0	138.44	-1.778	26.244	33.055	26.626	1440.6
137.8	139.43 140.49	-1.769	26.246	33.056	26.627	1440.6
138.Ø 139.Ø	141.49	-1.768	26.248	33.058	26.629	1440.6
140.0	142.51	-1.767	26.251	33.060	26.630	1440.7
141.0	143.49	-1.767	26.252	33.060	26.631	1440.7
142.8	144.51	-1.767	26.252	33.060	26.631	1440.7
143.0	145.49	-1.767	26.253	33.061	26.631	1440.7
144.8	146.54	-1.766	26.256	33.063	26.633	1440.7
145.0	147.54	-1.766	26.256	33.063	26.632	1440.8
146.0	148.58	-1.765	26.259	33.066	26.635	1440.8
147.8	149.58	-1.764	26.261	33.065	26.635	1440.8
148.0	150.62	-1.763	26.263	33.067	26.636	1440.8
149.0	151.62	-1.762	26.265	33.068	26.637 26.639	1440.9
150.0	152.66	-1.762	26.268	33.071	26.639	1440.9
151.0	153.65	-1.762	26.268	33.Ø7Ø 33.Ø71	26.639	1440.9
152.0	154.64	-1.761	26.268	33.072	26.640	1440.9
153.0	155.65	-1.761	26.27Ø 26.273	33.877	26.644	1441.0
154.8	156.63	-1.761 -1.761	26.276	33.079	26.645	1441.0
155.0	157.67	-1.762	26.273	33.075	26.643	1441.0
156.0	158.69	-1.761	26.274	33.076	26.643	1441.0
157.0	159.73 160.80	-1.761	26.275	33.876	26.643	1441.0
158.0	161.83	-1.761	26.275	33.076	26.643	1441.0
159.0 160.0	162.80	-1.761	26.276	33.076	26.643	1441.1
161.0	163.79	-1.761	26.277	33.076	26.643	1441.1
162.0	164.74	-1.760	26.278	33.076	26.643	1441.1
163.0	165.76	-1.760	26.279	33.077	26.644	1441.1
164.0	166.79	-1.76Ø	26.279	33.076	26.643	1441.1
165.0	167.82	-1.760	26.280	33.Ø77	26.644	1441.1
166.0	168.85	-1.760	26.281	33.078	26.644	1441.2
167.0	169.83	-1.759	26.281	33.076	26.643	1441.2
168.0	170.83	-1.758	26.282	33.076	26.643 26.644	1441.2
169.0	171.83	-1.759	26.283	33.077	26.644	1441.2
170.0	172.86	-1.758	26.283	33.Ø77 33.Ø78	26.645	1441.3
171.0	173.87	-1.758	26.285 26.286	33.078	26.645	1441.3
172.0	174.90	-1.757	26.289	33.081	26.647	1441.3
173.0	175.90	-1.757 -1.756	26.288	33.078	26.645	1441.3
174.0	176.94	-1.756	26.288	33.079	26.645	1441.3
175.0	177.92	-1.756	26.290	33.080	26.646	1441.4
176.Ø 177.Ø	178.93 179.96	-1.756	26.298	33.079	26.645	1441-4
178.0	180.97	-1.756	26.291	33.081	26.647	1441.4
179.0	181.98	-1.756	26.291	33.080	26.646	1441.4
180.0	183.01	-1.756	26.291	33.080	26.646	1441.4
181.0	184.03	-1.756	26.291	33.079	26.646	1441.4
182.0	185.05	-1.756	26.293	33.080	26.646	1441.5
183.0	186.07	-1.757	26.294	33.083	26.648	1441.5
184.0	187.07	-1.757	26.293	33.080	26.646 26.646	1441.5
185.0	188.08	-1.758	26.292	33.080	26.647	1441.5
186.8	189.10	-1.759	26.292	33.Ø81 33.Ø84	26.649	1441.5
187.0	190.11	-1.759	26.295 26.293	33.081	26.647	1441.5
188.0	191.14	-1.759	26.295	33.080	26.646	1441.6
189.0	192.11	-1.757	26.296	33.081	26.647	1441.5
190.0	193.14	-1.756 -1.756	26.296	33.080	26.646	1441.6
191.0	194.13	-1.755	26.298	33.081	26.647	1441.6
192.0	195.15 196.16	-1.753	26.303	33.085	26.650	1441.7
193.0	196.16	-1.754	26.301	33.082	26.648	1441.7
194.0	198.18	-1.754	26.301	33.082	26.648	1441.7
195.Ø 196.Ø	199.21	-1.754	26.302	33.083	26.648	1441.7
197.Ø	200.28	-1.754	26.303	33.083	26.649	1441.7

DEPTH	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC
(M)	201.28	-1.754	26.30	33.084	26.649	1441.7
198.2	202.30	-1.755	26.303	33.083	26.649	1441.
199.0	203.31	-1.755	26.30	33.084	26.650	1441.8
200.0	204.30	-1.755	26.300	33.082	26.648	1441.8
201.0	205.29	-1.756	26.30	33.085	26.651	1441.8
202.0 203.0	206.31	-1.757	26.30	33.086	26.651	1441.
204.F	207.33	756	26.30.	33.083	26.649 26.649	1441.8
205.0	208.37	-1.757	26.304	33.Ø83 33.Ø83	26.649	1441.9
206.0	209.39	-1.757	26.305	33.886	26.651	1441.9
207.0	210.39	-1.757	26.307 26.306	33.083	26.649	1441.9
208.0	211.48	-1.757 -1.757	26.306	33.084	26.649	1441.9
209.0	212.36	-1.757	26.307	33.084	26.649	1441.9
210.0	213.40	-1.757	26.307	33.084	26.649	1441.9
211.0	215.46	-1.757	26.309	33.086	26.651	1442.8
212.0	216.48	-1.757	26.308	33.085	26.65Ø 26.65Ø	1442.0
214.0	217.46	-1.757	26.309	33.085	26.650	1442.0
215.0	218.45	-1.757	26.309	33.084	26.650	1442.0
216.0	219.50	-1.757	26.309 26.310	33.085	26.650	1442.0
217.0	220.52	-1.757	26.310	33.085	26.650	1442.0
218.0	221.52	-1.758 -1.759	26.310	33.085	26.651	1442.1
219.0	222.51 223.52	-1.759	26.310	33.085	26.650	1442.1
220.0	224.57	-1.759	26.311	33.086	26.651	1442.1
221.Ø 222.Ø	225.58	-1.759	26.312	33.085	26.651	1442.1
223.0	226.58	-1.760	26.311	33.085	26.651	1442.1
224.0	227.56	-1.761	26.311	33.086	26.651 26.653	1442.2
225.0	228.60	-1.761	26.313	33.Ø88 33.Ø88	26.653	1442.2
226.0	229.60	-1.760	26.314 26.314	33.087	26.652	1442.2
227.0	230.67	-1.76Ø -1.759	26.316	33.089	26.653	1442.2
228.0	231.65	-1.759	26.316	33.087	26.652	1442.2
229.0	232.67 233.67	-1.757	26.318	33.088	26.653	1442.3
230.0	234.71	-1.757	26.319	33.088	26.653	1442.3
232.0	235.72	-1.757	26.319	33.088	26.653	1442.3
233.0	236.73	-1.757	26.321	33.091	26.655 26.653	1442.3
234.0	237.67	-1.757	26.320	33.Ø88 33.Ø87	26.652	1442.3
235.0	238.73	-1.756	26.321 26.322	33.087	26.652	1442.4
236.0	239.77	-1.755 -1.756	26.322	33.087	26.652	1442.4
237.0	24Ø.79 241.77	-1.756	26.324	33.090	26.654	1442.4
238.0	242.76	-1.756	26.322	33.087	26.652	1442.4
239.0	243.80	-1.756	26.323	33.087	26.652	1442.4
241.8	244.77	-1.755	26.326	33.090	26.654 26.652	1442.5
242.0	245.79	-1.756	26.324	33.088	26.653	1442.5
243.0	246.82	-1.755	26.325	33.088	26.653	1442.5
244.8	247.83	-1.755	26.325 26.326	33.088	26.653	1442.5
245.0	248.84	-1.756 -1.755	26.326	33.088	26.653	1442.5
246.0	249.87 250.85	-1.755	26.329	33.091	26.655	1442.6
247.Ø 248.Ø	251.88	-1.755	26.327	33.088	26.653	1442.6
249.0	252.86	-1.755	26.328	33.089	26.653	1442.6
250.0	253.86	-1.755	26.328	33.088	26.653 26.653	1442.6
251.0	254.89	-1.756	26.328	33.Ø89 33.Ø89	26.654	1442.6
252.0	255.92	-1.755	26.330	33.088	26.653	1442.6
253.0	256.96	-1.756	26.331	33.090	26.654	1442.7
254.0	257.97	-1.755 -1.755	26.332	33.090	26.654	1442.7
255.0	258.95 259.95	-1.755	26.331	33.088	26.653	1442.7
256.Ø 257.Ø	260.96	-1.755	26.333	33.898	26.655	1442.7
258.0	261.96	-1.754	26.334	33.090	26.654	1442.7
259. ท	263.03	-1.755	26.336	33.Ø92 33.Ø91	26.656 26.655	
260.0	264.03	-1.753	26.336 26.338	33.092	26.656	1442.8
261.0	265.03	-1.753 -1.753	26.339	33.093	26.656	1442.8
262.0	266.Ø2 267.Ø3	-1.752	26.340	33.093	26.656	1442.8
263.Ø 264.Ø	268.08	-1.752	26.341	33.093	26.657	1442.9
204.0	200.00					

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø 268.Ø 269.Ø 27Ø.Ø	269.12 270.12 271.09 272.09 273.08 273.89	-1.752 -1.752 -1.752 -1.750 -1.749 -1.747	26.340 26.340 26.342 26.344 26.344 26.346	33.092 33.092 33.093 33.093 33.092 33.091	26.656 26.657 26.657 26.656 26.656	1442.9 1442.9 1442.9 1442.9 1442.9 1443.8



CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3025

LAT.N. 75-29-49 LONG.W. 97-02-56 DATE 040477 G.M.T. 0623

U.T.M. Z	ONE 14 837	79694 N 554	524 E C	EPTH INCR 1.00	WATER DEF	TH 271 M
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND

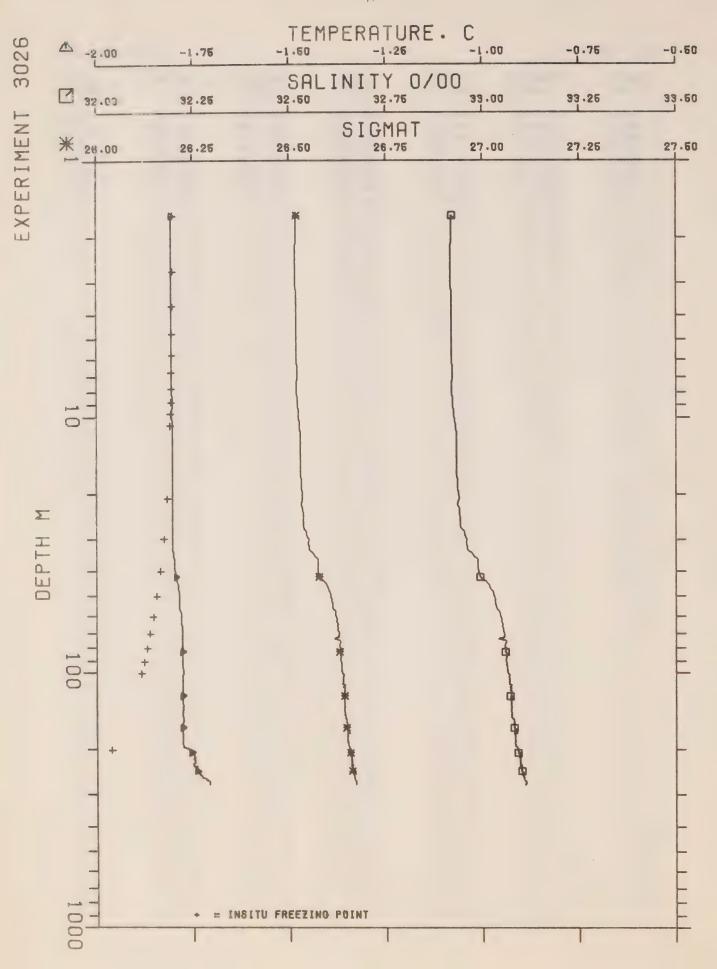
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
1.Ø 2.Ø 3.Ø 4.Ø	1.64 2.69 3.74 4.78	-1.810 -1.808 -1.808 -1.807	26.062 26.060 26.059 26.060	32.928 32.922 32.921 32.921	26.524 26.519 26.518 26.518	1438.Ø 1438.Ø 1438.Ø 1438.Ø
5.Ø 6.Ø 7.Ø	5.80 6.85 7.87	-1.806 -1.806 -1.807 -1.806	26.061 26.062 26.062 26.062	32.920 32.921 32.921 32.920	26.518 26.518 26.518 26.518	1438.1 1438.1 1438.1 1438.1
8.0 9.0 10.0 11.0	8.85 9.90 10.91 11.87	-1.805 -1.804 -1.804	26.Ø64 26.Ø66 26.Ø67	32.920 32.922 32.922	26.518 26.519 26.519	1438.1 1438.1 1438.2
12.0 13.0 14.0	12.92 13.95 14.94	-1.804 -1.804 -1.803	26.068 26.070 26.072	32.923 32.925 32.926	26.520 26.521 26.522	1438.2 1438.2 1438.2
15.0 16.0 17.0 18.0	15.94 16.94 17.94 18.96	-1.803 -1.802 -1.801 -1.802	26.Ø74 26.Ø79 26.Ø83 26.Ø82	32.928 32.934 32.938 32.937	26.524 26.529 26.532 26.531	1438.2 1438.3 1438.3 1438.3
19.0 20.0 21.0	19.97 20.98 21.97	-1.802 -1.801 -1.801	26.083 26.084 26.086	32.938 32.938 32.94Ø	26.532 26.532 26.533	1438.3 1438.3 1438.4
22.Ø 23.Ø 24.Ø	22.99 24.Ø3 25.Ø4 26.Ø1	-1.800 -1.800 -1.800 -1.800	26.093 26.096 26.098 26.098	32.948 32.951 32.953 32.953	26.548 26.543 26.544 26.544	1438.4 1438.4 1438.4 1438.5
25.0 26.0 27.0 28.0	27.04 28.09 29.07	-1.800 -1.800 -1.800	26.098 26.099 26.101	32.952 32.953 32.954	26.544 26.544 26.545	1438.5 1438.5 1438.5
29.0 30.0 31.0 32.0	30.07 31.14 32.16 33.11	-1.800 -1.800 -1.800 -1.800	26.1Ø1 26.1Ø1 26.1Ø1 26.1Ø3	32.954 32.953 32.953 32.955	26.545 26.544 26.544 26.545	1438.5 1438.5 1438.6 1438.6
33.Ø 34.Ø 35.Ø	34.14 35.16 36.15	-1.800 -1.799 -1.799	26.102 26.107 26.104	32.954 32.959 32.954	26.545 26.549 26.545	1438.6 1438.6 1438.6 1438.6
36.Ø 37.Ø 38.Ø 39.Ø	37.2Ø 38.2Ø 39.19 4Ø.23	-1.799 -1.799 -1.799 -1.799	26.105 26.106 26.109 26.110	32.955 32.957 32.959 32.960	26.546 26.547 26.549 26.549	1438.7 1438.7 1438.7
40.0 41.0 42.0	41.24 42.23 43.25	-1.798 -1.798 -1.798	26.112 26.113 26.114	32.962 32.961 32.962 32.965	26.551 26.551 26.551 26.554	1438.7 1438.7 1438.8 1438.8
43.0 44.0 45.0 46.0	44.30 45.27 46.31 47.35	-1.798 -1.798 -1.797 -1.797	26.116 26.120 26.121 26.123	32.97Ø 32.971 32.972	26.558 26.558 26.560	1438.8 1438.8 1438.8
47.Ø 48.Ø 49.Ø	48.34 49.32 5ø.36	-1.797 -1.797 -1.797 -1.797	26.126 26.128 26.130 26.133	32.976 32.978 32.980 32.983	26.563 26.564 26.566 26.569	1438.9 1438.9 1438.9 1438.9
50.0 51.0 52.0 53.0	51.39 52.38 53.37 54.41	-1.796 -1.795 -1.794	26.141 26.144 26.148	32.992 32.995 32.999	26.576 26.578 26.581	1439.Ø 1439.Ø 1439.Ø 1439.Ø
54.Ø 55.Ø 56.Ø 57.Ø	55.44 56.43 57.42 58.45	-1.793 -1.792 -1.790 -1.790	26.152 26.157 26.161 26.162	33.003 33.000 33.011 33.012	26.585 26.589 26.591 26.592	1439.1 1439.1 1439.1
58.0 59.0 60.0	59.49 60.51 61.49	-1.789 -1.787 -1.787	26.168 26.171 26.173	33.017 33.020 33.021 33.022	26.596 26.598 26.599 26.600	1439.2 1439.2 1439.2 1439.2
61.Ø 62.Ø	62.47 63.54	-1.786 -1.786	26.174 26.175	33.023	26.601	1439.2

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
63.0	64.56	-1.785	26.180	33.027	26.604	1439.3
64.0	65.55	-1.784	26.182	33.028	26.604	1439.3
65.0	66.56	-1.783	26.183	33.028	26.604	1439.3
66.Ø	67.58	-1.783	26.184	33.028	26.605	1439.3
67.Ø	68.63	-1.781	26.188	33.Ø31	26.607	1439.4
68.0	69.60	-1.780	26.189	33.032	26.607	1439.4
69.0	70.60	-1.780	26.191	33.033	26.609	1439.4
70.0	71.59	-1.780	26.190	33.032	26.608	1439.4
71.0	72.61	-1.780	26.191	33.032	26.608	1439.4
72.0	73.64	-1.780	26.192	33.032	26.608	1439.4
73.0	74.68	-1.780	26.193	33.034	26.609	1439.5
74.0	75.67	-1.779	26.193	33.033	26.609	1439.5
75.0	76.67	-1.779	26.194	33.033	26.609	1439.5
76.Ø 77.Ø	77.67 78.68	-1.779 -1.777	26.195 26.199	33.Ø34 33.Ø36	26.609	1439.5
78.0	79.74	-1.773	26.205	33.039	26.611 26.613	1439.5
79.0	8Ø.75	-1.773	26.207	33.042	26.616	1439.6
80.0	81.74	-1.772	26.209	33.044	26.617	1439.6
81.0	82.75	-1.772	26.209	33.043	26.617	1439.6
82.0	83.71	-1.772	26.210	33.044	26.617	1439.7
83.0	84.75	-1.772	26.213	33.047	26.620	1439.7
84.0	85.76	-1.772	26.212	33.044	26.618	1439.7
85.0	86.79	-1.772	26.213	33.046	26.619	1439.7
86.0	87.79	-1.772	26.213	33.Ø45	26.618	1439.7
87.0	88.81	-1.772	26.215	33.Ø47	26.619	1439.8
88.0	89.82	-1.773	26.216	33.049	26.622	1439.8
89.0	90.86	-1.773	26.217	33.050	26.622	1439.8
90.0	91.84	-1.773	26.217	33.Ø49	26.622	1439.8
91.0	92.86	-1.773	26.218	33.049	26.622	1439.8
92.0	93.89	-1.773	26.218	33.050	26.622	1439.8
93.0	94.90	-1.773	26.219	33.049	26.622	1439.9
94.0	95.93	-1.773	26.220	33.051	26.623	1439.9
95.0	96.92	-1.772	26.222	33.052	26.624	1439.9
96.0	97.94	-1.772	26.220	33.049	26.622	1439.9
97.0	98.95	-1.772	26.223	33.052	26.624	1439.9
98.0	99.95	-1.772	26.222	33.051	26.623	1439.9
99.0	100.95	-1.773	26.223	33.051	26.623	1440.0
100.0	101.99	-1.772	26.225	33.053	26.625	1440.0
101.0	103.00	-1.772	26.225	33.052	26.624	1440.0
102.0	103.99	-1.772	26.225	33.052	26.624	1440.0
103.0	104.99	-1.773	26.225	33.052	26.624	1440.0
104.0	106.00	-1.772	26.227	33.053	26.624	1440.0
105.0 106.0	107.01 108.01	-1.77Ø -1.77Ø	26.229	33.054	26.625	1440.1
107.0	109.06	-1.77Ø	26.229 26.23Ø	33.Ø53 33.Ø54	26.625	1440.1
108.0	110.10	-1.778	26.230	33.054	26.625 26.625	1440.1
109.0	111.11	-1.778	26.232	33.056		1440.1
119.0	112.13	-1.771	26.232	33.056	26.627 26.627	1440.1
111.0	113.14	-1.771	26.234	33.058	26.629	1440.2
112.0	114.13	-1.770	26.236	33.059	26.63Ø	1440.2
113.0	115.13	-1.77Ø	26.234	33.057	26.628	1440.2
114.0	116.13	-1.770	26.235	33.057	26.628	1440.2
115.0	117.16	-1.770	26.238	33.060	26.631	1440.2
116.0	118.18	-1.771	26.235	33,057	26.628	1440.3
117.0	119.19	-1.771	26.236	33.057	26.628	1440.3
118.0	120.21	-1.771	26.237	33.058	26.629	1440.3
119.0	121.25	-1.771	26.239	33.060	26.630	1440.3
120.0	122.27	-1.772	26.237	33.058	26.629	1440.3
121.0	123.26	-1.772	26.237	33.058	26.629	1440.3
122.0	124.29	-1.772	26.237	33.057	26.628	1440.3
123.0	125.26	-1.772	26.238	33.058	26.629	1440.4
1.4.0	126.29	-1.773	26.238	33.058	26.628	1440.4
125.0	127.29	-1.772	26.238	33. N57	26.628	1440.4
126.0	128.28	-1.772	26.240	33.059	26.629	1440.4
127.0	129.32	-1.771	26.242	33.060	26.630	1440.4
128.0	130.32	-1.771	26.242	33.059	26.630	1440.5
129.0	131.32	-1.77Ø	26.244	33.060	26.630	1440.5

					ENI ENA	112141 0020
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(8/88)		(M/SEC)
130.0	132.32	-1.769	26.246	33.061	26.631	1440.5
131.0	133.34	-1.769	26.246	33.060	26.631	1440.5
132.0	134.34	-1.768	26.248	33.062	26.632	1440.5
133.8	135.36	-1.767	26.250	33.Ø62	26.632	1440.6
134.0	136.36	-1.766	26.252	33.064	26.633	1440.6
135.0	137.37	-1.765	26.254	33.065	26.634	1440.6
136.0	138.37	-1.765	26.254	33.064	26.634	1440.6
137.0	139.38	-1.765	26.256	33.066	26.635	1440.6
138.0	140.39	-1.765	26.256	33.065	26.634	1440.7
139.0	141.43	-1.764	26.258	33.067	26.636	1440.7
140.0	142.43	-1.761	26.262	33.069	26.637	1440.7
141.0	143.45	-1.761	26.263	33.070	26.638	1440.7
142.0	144.47	-1.760	26.265	33.069	26.638	1440.8
143.0	145.48	-1.759	26.266	33.070	26.638	1440.8
144.0	146.49	-1.758	26.268	33.071	26.639	1440.8
145.0	147.50	-1.759	26.267	33.070	26.638	1440.8
146.0	148.51	-1.759	26.268	33.071	26.639	1440.8
147.0	149.52	-1.760	26.267	33.071	26.639 26.642	1440.8
148.0	150.52	-1.761	26.269	33.074	26.642 26.64Ø	1440.9
149.0	151.54	-1.761	26.268 26.269	33.072 33.072	26.640	1440.9
150.0	152.52	-1.761	26.278	33.073	26.641	1440.9
151.0	153.55	-1.76Ø -1.761	26.271	33.073	26.641	1440.9
152.0	154.57	-1.760	26.272	33.073	26.641	1440.9
153.Ø 154.Ø	155.61 156.61	-1.760	26.274	33.075	26.642	1441.0
155.0	157.64	-1.760	26.272	33.072	26.640	1441.0
156.0	158.64	-1.759	26.275	33.075	26.642	1441.0
157.0	159.67	-1.759	26.276	33.076	26.643	1441.0
158.0	160.67	-1.759	26.278	33.078	26.645	1441.0
159.0	161.70	-1.758	26.276	33.074	26.642	1441.1
160.0	162.71	-1.758	26.277	33.075	26.642	1441.1
161.0	163.68	-1.758	26.278	33.075	26.642	1441.1
162.0	164.66	-1.758	26.279	33.076	26.643	1441.1
163.0	165.67	-1.757	26.280	33.076	26.643	1441.1
164.0	166.70	-1.757	26.282	33.077	26.644 26.645	1441.1
165.0	167.71	-1.757	26.283	33.078 33.079	26.645	1441.2
166.0	168.75	-1.757 -1.757	26.284 26.284	33.079	26.645	1441.2
167.0	169.78	-1.757	26.285	33.078	26.645	1441.2
168.0	17Ø.79 171.78	-1.756	26.285	33.078	26.645	1441.2
169.0	172.80	-1.757	26.286	33.079	26.645	1441.2
170.0 171.0	173.74	-1.756	26.286	33.079	26.645	1441.3
172.0	174.78	-1.757	26.288	33.081	26.647	1441.3
173.0	175.79	-1.757	26.289	33.081	26.647	1441.3
174.0	176.80	-1.757	26.289	33.080	26.647	1441.3
175.Ø	177.82	-1.757	26.290	33.081	26.647	1441.3
176.0	178.82	-1.758	26.291	33.083	26.649	1441.3
177.0	179.84	-1.760	26.290	33.083	26.649	1441.4
178.0	180.85	-1.761	26.289	33.083	26.649	1441.4
179.0	181.85	-1.761	26.290	33.085	26.650	1441.4
180.0	182.86	-1.761	26.292	33.087	26.652	1441.4
181.0	183.86	-1.762	26.290	33.083	26.649 26.650	1441.4
182.0	184.87	-1.761	26.291	33.084	26.651	1441.4
183.0	185.89	-1.762	26.292 26.292	33.Ø86 33.Ø85	26.650	1441.5
184.0	186.91	-1.761	26.292	33.085	26.650	1441.5
185.0	187.91	-1.762 -1.762	26.292	33.084	26.65Ø	1441.5
186.0	188.92	-1.762	26.293	33.085	26.651	1441.5
187.0	189.95	-1.762	26.293	33.084	26.650	1441.5
188.0	190.96 191.95	-1.762	26.294	33.085	26.65Ø	1441.5
189.Ø 190.Ø	192.97	-1.761	25.296	33.086	26.651	1441.6
191.Ø	193.97	-1.761	26.296	33.085	26.650	1441.6
192.0	194.98	-1.760	26.298	33.085	26.650	1441.5
193.Ø	196.03	-1.759	26.298	33.085	26.650	:441.6
194.0	197.01	-1.758	26.300	33.887	26.652	1441.6
195.0	198.02	-1.759	26.300	33.046	26.651 26.65Ø	1441.7
196.Ø	199.04	-1.758	26.300	33.085	20.000	2 4 4 1 . /

DEPTH							
(M) (B) (B) (B) (M/SEC) (MHHO) (B/BB) (M/SEC) 197.8 (287.8) -1.758 (26.381) 33.885 (26.651) 1441.7 (199.8) 287.87 -1.758 (26.382) 33.886 (26.651) 1441.7 (199.8) 287.87 -1.758 (26.382) 33.886 (26.652) 1441.7 (199.8) 287.87 -1.758 (26.382) 33.886 (26.652) 1441.7 (199.8) 287.88 (26.652) 1441.7 (199.8) 287.88 (26.652) 1441.8 (199.8) 287.88 (26.652) 1441.8 (199.8) 287.88 (26.652) 1441.8 (199.8) 287.88 (26.652) 1441.8 (199.8) 287.88 (26.652) 1441.8 (199.8) 287.88 (26.652) 1441.8 (199.8) 287.88 (26.652) 1441.9 (199.8) 287.88 (199.8) 287.88 (199.8) 287.88 (199.8) 287.88 (199.8) 287.88 (199.	DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
197.8				(MMHO)	(0/00)		(M/SEC)
199.	(11)	, , , , , , , , , , , , , , , , , , , ,					
199. g	197.0	200.03	-1.758	26.301			
281.8 293.84 -1.759 26.382 33.896 26.651 1441.8 282.8 295.85 -1.758 26.384 33.896 26.651 1441.8 282.8 295.85 -1.758 26.384 33.896 26.651 1441.8 282.8 295.85 -1.756 26.386 33.896 26.651 1441.8 284.8 297.89 -1.757 26.386 33.896 26.651 1441.8 284.8 297.89 -1.757 26.386 33.896 26.651 1441.8 286.8 299.13 -1.761 26.383 33.886 26.651 1441.8 286.8 299.13 -1.761 26.383 33.886 26.651 1441.8 286.8 299.13 -1.764 26.383 33.896 26.651 1441.8 288.8 218.13 -1.754 26.386 33.896 26.651 1441.9 289.6 212.15 -1.759 26.387 33.897 26.652 1441.9 289.6 212.15 -1.759 26.387 33.897 26.652 1441.9 212.8 212.15 -1.756 26.316 33.891 26.655 1442.8 214.8 215.17 -1.756 26.313 33.898 26.654 1442.9 214.8 216.17 -1.756 26.313 33.898 26.654 1442.8 214.8 218.12 -1.757 26.316 33.899 26.654 1442.8 216.8 218.21 -1.757 26.313 33.898 26.654 1442.8 216.8 218.21 -1.757 26.313 33.898 26.655 1442.8 216.8 228.21 -1.757 26.313 33.898 26.656 1442.8 216.8 228.21 -1.757 26.315 33.899 26.656 1442.8 218.8 228.22 -1.755 26.313 33.899 26.656 1442.8 218.8 228.23 -1.755 26.315 33.899 26.656 1442.8 219.8 222.28 -1.755 26.315 33.899 26.656 1442.8 219.8 222.28 -1.755 26.315 33.892 26.656 1442.1 219.8 222.28 -1.755 26.315 33.892 26.656 1442.1 228.8 223.23 -1.756 26.319 33.892 26.656 1442.1 228.8 223.23 -1.756 26.319 33.892 26.656 1442.1 228.8 229.26 -1.755 26.319 33.892 26.656 1442.1 229.8 222.28 -1.755 26.319 33.892 26.656 1442.1 229.8 223.23 -1.756 26.319 33.892 26.656 1442.1 224.8 223.23 -1.756 26.319 33.892 26.656 1442.1 224.8 224.24 -1.758 26.319 33.892 26.656 1442.1 224.8 224.24 -1.758 26.319 33.892 26.656 1442.1 224.8 229.8 23.34 -1.756 26.32 33.892 26.656 1442.2 224.8 229.8 23.34 -1.756 26.32 33.892 26.656 1442.2 224.8 224.28 -1.756 26.32 33.892 26.656 1442.2 224.8 224.28 -1.756 26.32 33.892 26.656 1442.2 225.8 229.26 -1.755 26.319 33.892 26.656 1442.2 226.8 229.26 -1.755 26.32 33.893 26.657 2442.2 227.8 228.28 -1.756 26.32 33.893 26.657 2442.2 228.8 229.8 23.34 -1.758 26.33 33.893 26.656 1442.2 229.8 233.34 -1.758 26.33 33.893 26.656 1442.2 229.8 233.34 -1.758 26.		201.05					
200. 8	199.0	202.07	-1.759	26.303			
281,8		203.04	-1.759	26.302			
287.8		204.03	-1.758	26.304			
287.8		205.05	-1.758				
288.8 288.81	203.0	206.07	-1.756	26.306			
298.0 289.13 -1.761 26.393 33.896 26.655 1441.8 287.7 287.8 218.13 -1.754 26.316 33.898 26.655 1441.9 289.8 211.14 -1.757 26.398 33.897 26.652 1441.9 289.8 212.15 -1.759 26.397 33.897 26.652 1441.9 214.15 -1.759 26.397 33.897 26.652 1441.9 212.2 215.17 -1.759 26.397 33.897 26.652 1441.9 212.2 215.17 -1.756 26.397 33.897 26.652 1441.9 212.2 215.17 -1.756 26.313 33.899 26.655 1441.9 212.2 215.17 -1.756 26.313 33.899 26.655 1441.9 213.8 219.21 -1.757 26.313 33.899 26.654 1442.9 215.8 219.22 -1.757 26.313 33.899 26.654 1442.9 215.8 219.22 -1.757 26.313 33.899 26.654 1442.9 216.8 219.22 -1.757 26.315 33.899 26.655 1442.8 217.8 228.21 -1.757 26.315 33.899 26.655 1442.8 219.8 221.2 -1.757 26.315 33.899 26.655 1442.8 219.8 221.2 -1.757 26.315 33.899 26.655 1442.1 222.8 223.2 -1.755 26.317 33.899 26.655 1442.1 222.2 28 223.2 -1.755 26.317 33.899 26.655 1442.1 222.2 28 223.2 -1.756 26.317 33.899 26.655 1442.1 222.2 28 225.3 -1.756 26.328 33.899 26.655 1442.1 222.8 222.8 225.3 -1.756 26.319 33.899 26.656 1442.1 222.8 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 222.8 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 222.8 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 222.8 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 223.8 226.28 -1.756 26.319 33.899 26.656 1442.1 223.8 226.28 -1.756 26.319 33.899 26.656 1442.2 223.8 228.26 -1.756 26.319 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 223.8 228.26 -1.756 26.321 33.899 26.656 1442.3 229.8 228.8 28.8 28.8 28.8 28.8 28.8 28	204.0	207.09					
287.8         218.13         -1.754         26.386         33.488         26.652         1441.9           289.8         212.15         -1.759         26.387         33.4887         26.652         1441.9           211.18         214.15         -1.759         26.387         33.4887         26.652         1441.9           212.8         215.17         -1.756         26.318         33.4897         26.652         1441.9           213.8         216.17         -1.756         26.313         33.4998         26.655         1441.9           214.8         217.21         -1.756         26.313         33.4998         26.655         1442.8           215.8         218.21         -1.757         26.314         33.4991         26.655         1442.8           216.8         219.22         -1.757         26.315         33.4992         26.656         1442.8           218.8         221.21         -1.757         26.315         33.4992         26.656         1442.8           218.8         221.21         -1.757         26.315         33.4992         26.656         1442.1           228.8         229.21         -1.755         26.317         33.4992         26.656         1442.1 <td>205.0</td> <td></td> <td></td> <td></td> <td></td> <td>26.650</td> <td></td>	205.0					26.650	
200	206.0	209.13			33.000	26.651	
2	207.0						
11.							
14.1.6							
212. W         215.17         -1.76 M         26.31 M         33. M91         26.655         1441.9           213. W         216.17         -1.756         26.313         33. M99 M         26.655         1442. W           214. W         217.21         -1.757         26.314         33. M99 M         26.655         1442. W           216. W         219.22         -1.757         26.313         33. M99 M         26.655         1442. W           217. W         220.21         -1.757         26.315         33. M99 M         26.655         1442. W           218. W         221.21         -1.757         26.315         33. M99 M         26.655         1442. W           218. W         222.20 m         -1.755         26.315         33. M99 M         26.655         1442.1           219. W         222.20 m         -1.755         26.315         33. M99 M         26.656         1442.1           219. W         222.20 m         -1.756         26.319         33. M99 M         26.656         1442.1           221. W         225.33         -1.756         26.319         33. M99 M         26.656         1442.1           224. W         227.77         -1.756         26.319         33. M92 M							
214. # 217. 21 -1.756							
214.8							
216.86							
16.8							
217.8							
219.8							
219.8         222.26         -1.755         26.317         33.892         26.656         1442.1           228.8         223.23         -1.754         26.328         33.893         26.656         1442.1           221.8         224.23         -1.756         26.328         33.893         26.657         1442.1           222.8         225.33         -1.756         26.319         33.893         26.656         1442.1           223.8         226.28         -1.756         26.319         33.892         26.656         1442.1           224.8         227.27         -1.755         26.321         33.892         26.656         1442.2           225.9         228.26         -1.755         26.321         33.892         26.656         1442.2           227.8         230.28         -1.755         26.321         33.892         26.656         1442.2           229.8         231.31         -1.755         26.321         33.892         26.656         1442.2           229.8         232.33         -1.754         26.323         33.892         26.656         1442.3           236.8         233.33         -1.754         26.328         33.893         26.657         1442.3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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228.8         231.31         -1.755         26.322         33.892         26.656         1442.2           229.8         232.34         -1.754         26.323         33.892         26.656         1442.3           231.8         234.29         -1.749         26.328         33.893         26.657         1442.3           232.8         235.32         -1.748         26.331         33.893         26.658         1442.3           233.8         236.36         -1.758         26.338         33.895         26.658         1442.3           234.8         237.39         -1.758         26.338         33.895         26.658         1442.4           235.8         238.48         -1.758         26.338         33.894         26.658         1442.4           235.8         239.36         -1.758         26.338         33.894         26.658         1442.4           235.8         239.36         -1.758         26.338         33.893         26.658         1442.4           236.8         239.36         -1.745         26.338         33.894         26.658         1442.4           238.8         241.36         -1.745         26.336         33.899         26.658         1442.5 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
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236.Ø 239.36			-1.750	26.330	33.094	26.658	1442.4
238.0       241.36       -1.745       26.336       33.095       26.658       1442.5         239.0       242.37       -1.745       26.337       33.096       26.659       1442.5         240.0       243.37       -1.745       26.337       33.096       26.659       1442.5         241.0       244.37       -1.745       26.338       33.096       26.659       1442.5         242.0       245.38       -1.745       26.341       33.096       26.662       1442.5         243.0       246.39       -1.745       26.341       33.099       26.661       1442.5         244.0       247.40       -1.746       26.339       33.096       26.659       1442.5         245.0       248.42       -1.744       26.344       33.096       26.659       1442.6         245.0       248.42       -1.744       26.349       33.096       26.659       1442.6         246.0       249.39       -1.741       26.344       33.097       26.669       1442.6         247.0       250.41       -1.744       26.339       33.099       26.666       1442.6         249.0       252.43       -1.737       26.351       33.100       26.662			-1.750	26.330	33.093	26.657	
239.0 242.37 -1.745 26.337 33.096 26.659 1442.5 240.0 243.37 -1.745 26.337 33.096 26.659 1442.5 241.0 244.37 -1.745 26.338 33.096 26.659 1442.5 242.0 245.38 -1.745 26.341 33.100 26.662 1442.5 243.0 246.39 -1.745 26.341 33.099 26.661 1442.5 244.0 247.40 -1.746 26.339 33.096 26.659 1442.5 245.0 248.42 -1.744 26.340 33.099 26.661 1442.6 245.0 249.39 -1.741 26.344 33.097 26.660 1442.6 247.0 250.41 -1.744 26.339 33.096 26.659 1442.6 249.0 251.42 -1.739 26.347 33.098 26.660 1442.6 249.0 252.43 -1.737 26.351 33.098 26.662 1442.7 250.0 253.47 -1.739 26.349 33.099 26.661 1442.7 251.0 254.49 -1.739 26.349 33.099 26.661 1442.7 251.0 254.49 -1.739 26.349 33.099 26.661 1442.7 252.0 255.47 -1.737 26.351 33.099 26.661 1442.7 252.0 255.47 -1.739 26.349 33.099 26.661 1442.7 253.0 256.45 -1.734 26.355 33.100 26.662 1442.8 255.0 259.45 -1.734 26.355 33.100 26.662 1442.8 255.0 259.45 -1.737 26.353 33.100 26.662 1442.8 255.0 259.46 -1.737 26.353 33.100 26.662 1442.8 255.0 259.45 -1.734 26.354 33.098 26.666 1442.8 255.0 259.46 -1.737 26.353 33.100 26.662 1442.8 259.0 260.44 -1.730 26.354 33.098 26.666 1442.8 259.0 260.44 -1.730 26.354 33.098 26.666 1442.8 259.0 260.44 -1.732 26.353 33.100 26.662 1442.8 259.0 260.44 -1.732 26.357 33.100 26.665 1442.8 259.0 260.44 -1.732 26.357 33.100 26.666 1442.8 259.0 260.44 -1.732 26.357 33.100 26.666 1442.8 259.0 260.44 -1.732 26.357 33.100 26.666 1442.8 259.0 260.44 -1.732 26.357 33.100 26.666 1442.8 259.0 260.44 -1.732 26.357 33.100 26.666 1442.8 259.0 260.44 -1.732 26.357 33.100 26.666 1442.8	237.0	240.36	-1.746	26.335	33.094		1442.4
240.0         243.37         -1.745         26.337         33.096         26.659         1442.5           241.0         244.37         -1.745         26.338         33.096         26.659         1442.5           242.0         245.38         -1.745         26.341         33.099         26.662         1442.5           243.0         246.39         -1.745         26.341         33.099         26.661         1442.5           244.0         247.40         -1.746         26.339         33.096         26.659         1442.5           245.0         248.42         -1.744         26.340         33.097         26.660         1442.6           245.0         249.39         -1.741         26.344         33.097         26.660         1442.6           247.0         250.41         -1.744         26.339         33.092         26.660         1442.6           249.0         251.42         -1.739         26.347         33.098         26.660         1442.6           249.0         252.43         -1.737         26.351         33.098         26.661         1442.6           249.0         252.43         -1.737         26.351         33.099         26.661         1442.6 <td>238.0</td> <td>241.36</td> <td>-1.745</td> <td></td> <td>33.Ø95</td> <td></td> <td></td>	238.0	241.36	-1.745		33.Ø95		
241.0       244.37       -1.745       26.338       33.096       26.659       1442.5         242.0       245.38       -1.745       26.341       33.099       26.661       1442.5         243.0       246.39       -1.745       26.341       33.099       26.661       1442.5         244.0       247.40       -1.746       26.3341       33.096       26.659       1442.5         245.0       248.42       -1.744       26.344       33.096       26.659       1442.6         246.0       249.39       -1.741       26.344       33.097       26.660       1442.6         247.0       250.41       -1.744       26.347       33.098       26.656       1442.6         248.0       251.42       -1.739       26.347       33.098       26.660       1442.6         249.0       252.43       -1.737       26.351       33.098       26.661       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         252.0       255.47       -1.734       26.355       33.100       26.661	239.0	242.37					
242.0 245.38 -1.745 26.341 33.100 26.662 1442.5 243.0 246.39 -1.745 26.341 33.099 26.661 1442.5 244.0 247.40 -1.746 26.339 33.096 26.659 1442.5 245.0 248.42 -1.744 26.340 33.097 26.660 1442.6 249.39 -1.741 26.344 33.097 26.660 1442.6 247.0 250.41 -1.744 26.339 33.092 26.656 1442.6 249.0 252.43 -1.739 26.347 33.098 26.660 1442.6 249.0 252.43 -1.737 26.351 33.100 26.662 1442.7 250.0 252.43 -1.739 26.349 33.099 26.661 1442.7 251.0 254.49 -1.739 26.349 33.099 26.661 1442.7 251.0 254.49 -1.739 26.349 33.099 26.661 1442.7 252.0 255.47 -1.737 26.351 33.098 26.661 1442.7 252.0 255.47 -1.737 26.351 33.098 26.661 1442.7 253.0 256.45 -1.734 26.355 33.100 26.662 1442.8 254.0 257.46 -1.737 26.351 33.098 26.661 1442.7 253.0 256.45 -1.734 26.355 33.100 26.662 1442.8 255.0 258.41 -1.734 26.353 33.100 26.662 1442.8 255.0 258.41 -1.734 26.353 33.100 26.662 1442.8 255.0 258.41 -1.734 26.353 33.100 26.662 1442.8 259.45 -1.732 26.358 33.101 26.663 1442.8 259.45 -1.732 26.358 33.101 26.663 1442.8 259.45 -1.732 26.358 33.101 26.666 1442.8 259.46 -1.732 26.358 33.101 26.666 1442.8 259.47 -1.723 26.371 33.104 26.665 1442.8 259.0 262.47 -1.725 26.367 33.104 26.665 1442.9 259.4 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.369 26.667 1442.9 26.371 33.106 26.667 1443.0 26.369 26.667 1443.0 26.369 26.667 1443.0 26.369 26.667 1443.0 26.369 26.667 1443.0 26.369 26.667 1443.0 26.369 26.667 1443.0 26.369 26.371 33.106 26.667 1443.0 26.369 26.667 1443.0 26.369 26.667 1443.0 26.369 26.371 33.106 26.667 1443.0 26.367 26.371 33.106 26.667 1443.0 26.369 26.371 33.106 26.667 1443.0 26.369 26.667 1443.0 26.369 26.371 33.106 26.667 1443.0 26.369 26.371 33.106 26.667 1443.0 26.369 26.371 33.106 26.667 1443.0 2	240.0	243.37					
243.0       246.39       -1.745       26.341       33.099       26.661       1442.5         244.0       247.40       -1.746       26.339       33.096       26.659       1442.5         245.0       248.42       -1.744       26.340       33.096       26.659       1442.6         246.0       249.39       -1.741       26.344       33.097       26.660       1442.6         247.0       250.41       -1.744       26.347       33.092       26.665       1442.6         249.0       251.42       -1.739       26.347       33.098       26.660       1442.6         249.0       252.43       -1.737       26.351       33.098       26.662       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.098       26.661       1442.7         251.0       254.49       -1.739       26.351       33.098       26.661       1442.7         252.0       255.47       -1.737       26.351       33.100       26.662       1442.8         254.0       257.46       -1.734       26.353       33.100       26.662	241.0	244.37					
244.0       247.40       -1.746       26.339       33.096       26.659       1442.5         245.0       248.42       -1.744       26.340       33.096       26.659       1442.6         246.0       249.39       -1.741       26.344       33.097       26.660       1442.6         247.0       250.41       -1.744       26.339       33.092       26.656       1442.6         248.0       251.42       -1.739       26.347       33.098       26.660       1442.6         249.0       252.43       -1.737       26.351       33.100       26.662       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.737       26.351       33.099       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       255.47       -1.734       26.351       33.098       26.661       1442.8         254.0       257.46       -1.734       26.353       33.100       26.662	242.0						
245.0       248.42       -1.744       26.340       33.096       26.659       1442.6         246.0       249.39       -1.741       26.344       33.097       26.660       1442.6         247.0       250.41       -1.744       26.339       33.092       26.656       1442.6         248.0       251.42       -1.739       26.347       33.098       26.660       1442.6         249.0       252.43       -1.737       26.351       33.100       26.662       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       256.45       -1.737       26.351       33.098       26.661       1442.7         253.0       257.46       -1.737       26.355       33.100       26.662       1442.8         255.0       258.41       -1.734       26.353       33.100       26.662       1442.8         256.0       259.45       -1.732       26.358       33.100       26.663							
246.Ø       249.39       -1.741       26.344       33.Ø97       26.66Ø       1442.6         247.Ø       25Ø.41       -1.744       26.339       33.Ø92       26.656       1442.6         248.Ø       251.42       -1.739       26.347       33.Ø98       26.66Ø       1442.6         249.Ø       252.43       -1.737       26.351       33.IØØ       26.662       1442.7         25Ø.Ø       253.47       -1.739       26.349       33.Ø99       26.661       1442.7         252.Ø       255.47       -1.739       26.349       33.Ø99       26.661       1442.7         253.Ø       256.45       -1.737       26.351       33.Ø98       26.661       1442.7         253.Ø       256.45       -1.734       26.355       33.IØØ       26.662       1442.8         254.Ø       257.46       -1.737       26.353       33.IØØ       26.662       1442.8         255.Ø       258.41       -1.734       26.354       33.Ø98       26.662       1442.8         255.Ø       258.44       -1.732       26.358       33.IØØ       26.663       1442.8         257.Ø       26Ø.44       -1.732       26.360       33.IØØ       26.666							
247.0       250.41       -1.744       26.339       33.092       26.656       1442.6         248.0       251.42       -1.739       26.347       33.098       26.660       1442.6         249.0       252.43       -1.737       26.351       33.100       26.662       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       256.45       -1.734       26.355       33.100       26.662       1442.8         254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.662       1442.8         255.0       259.45       -1.732       26.358       33.101       26.662       1442.8         257.0       260.44       -1.730       26.367       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665							
248.0       251.42       -1.739       26.347       33.098       26.660       1442.6         249.0       252.43       -1.737       26.351       33.100       26.662       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.098       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       256.45       -1.734       26.355       33.100       26.662       1442.8         254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.662       1442.8         255.0       258.45       -1.732       26.358       33.100       26.662       1442.8         257.0       250.44       -1.730       26.367       33.105       26.663       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.8         259.0       262.47       -1.723       26.371       33.106       26.667							
249.0       252.43       -1.737       26.351       33.100       26.662       1442.7         250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       256.45       -1.734       26.355       33.100       26.662       1442.8         254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.662       1442.8         255.0       258.45       -1.732       26.354       33.098       26.662       1442.8         257.0       259.45       -1.732       26.358       33.101       26.663       1442.8         257.0       260.44       -1.730       26.367       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.8         259.0       262.47       -1.723       26.371       33.106       26.667							
250.0       253.47       -1.739       26.349       33.099       26.661       1442.7         251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       256.45       -1.734       26.355       33.100       26.662       1442.8         254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.660       1442.8         255.0       259.45       -1.732       26.358       33.101       26.663       1442.8         257.0       260.44       -1.730       26.360       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.8         259.0       262.47       -1.723       26.371       33.106       26.667       1442.9         259.0       263.46       -1.722       26.374       33.109       26.669       1442.9         260.0       263.46       -1.722       26.372       33.106       26.667							
251.0       254.49       -1.739       26.349       33.099       26.661       1442.7         252.0       255.47       -1.737       26.351       33.098       26.661       1442.7         253.0       256.45       -1.734       26.355       33.100       26.662       1442.8         254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.660       1442.8         256.0       259.45       -1.732       26.358       33.101       26.663       1442.8         257.0       260.44       -1.730       26.360       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.8         259.0       262.47       -1.723       26.371       33.106       26.665       1442.9         259.0       263.46       -1.722       26.374       33.109       26.669       1442.9         260.0       263.46       -1.722       26.372       33.106       26.667       1443.0         262.0       265.47       -1.722       26.373       33.106       26.667							
252.0     255.47     -1.737     26.351     33.098     26.661     1442.7       253.0     256.45     -1.734     26.355     33.100     26.662     1442.8       254.0     257.46     -1.737     26.353     33.100     26.662     1442.8       255.0     258.41     -1.734     26.354     33.098     26.660     1442.8       256.0     259.45     -1.732     26.358     33.101     26.663     1442.8       257.0     260.44     -1.730     26.360     33.105     26.666     1442.8       258.0     261.47     -1.725     26.367     33.104     26.665     1442.9       259.0     262.47     -1.723     26.371     33.106     26.667     1442.9       260.0     263.46     -1.722     26.374     33.109     26.669     1442.9       261.0     264.46     -1.722     26.372     33.106     26.667     1443.0       262.0     265.47     -1.722     26.373     33.106     26.667     1443.0							
253.0       256.45       -1.734       26.355       33.100       26.662       1442.8         254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.660       1442.8         256.0       259.45       -1.732       26.358       33.101       26.663       1442.8         257.0       260.44       -1.730       26.360       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.9         259.0       262.47       -1.723       26.371       33.106       26.667       1442.9         260.0       263.46       -1.722       26.374       33.109       26.669       1442.9         261.0       263.46       -1.722       26.372       33.106       26.667       1443.0         262.0       265.47       -1.722       26.373       33.106       26.667       1443.0							
254.0       257.46       -1.737       26.353       33.100       26.662       1442.8         255.0       258.41       -1.734       26.354       33.098       26.660       1442.8         256.0       259.45       -1.732       26.358       33.101       26.663       1442.8         257.0       260.44       -1.730       26.360       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.9         259.0       262.47       -1.723       26.371       33.106       26.667       1442.9         260.0       263.46       -1.722       26.374       33.109       26.669       1442.9         261.0       264.46       -1.722       26.372       33.106       26.667       1443.0         262.0       265.47       -1.722       26.373       33.106       26.667       1443.0							
255.0     258.41     -1.734     26.354     33.098     26.660     1442.8       256.0     259.45     -1.732     26.358     33.101     26.663     1442.8       257.0     260.44     -1.730     26.360     33.105     26.666     1442.8       258.0     261.47     -1.725     26.367     33.104     26.665     1442.9       259.0     262.47     -1.723     26.371     33.106     26.667     1442.9       260.0     263.46     -1.722     26.374     33.109     26.669     1442.9       261.0     264.46     -1.722     26.372     33.106     26.667     1443.0       262.0     265.47     -1.722     26.373     33.106     26.667     1443.0							
256.0       259.45       -1.732       26.358       33.101       26.663       1442.8         257.0       260.44       -1.730       26.362       33.105       26.666       1442.8         258.0       261.47       -1.725       26.367       33.104       26.665       1442.9         259.0       262.47       -1.723       26.371       33.106       26.667       1442.9         260.0       263.46       -1.722       26.374       33.109       26.669       1442.9         261.0       264.46       -1.722       26.372       33.106       26.667       1443.0         262.0       265.47       -1.722       26.373       33.106       26.667       1443.0							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
259.0     262.47     -1.723     26.371     33.106     26.667     1442.9       260.0     263.46     -1.722     26.374     33.109     26.669     1442.9       261.0     264.46     -1.722     26.372     33.106     26.667     1443.0       262.0     265.47     -1.722     26.373     33.106     26.667     1443.0							
260.0     263.46     -1.722     26.374     33.109     26.669     1442.9       261.0     264.46     -1.722     26.372     33.106     26.667     1443.0       262.0     265.47     -1.722     26.373     33.106     26.667     1443.0							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
262.0 265.47 -1.722 26.373 33.106 26.667 1443.0							

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
264.0	267.48	-1.721	26.374	33.105	26.666	1443.0
265.0	268.45	-1.721	26.375	33.106	26.666	1443.0
266.0	269.45	-1.721	26.375	33.107	26.667	1443.0
267.0	270.47	-1.721	26.376	33.107	26.667	1443.1
268.0	271.49	-1.721	26.376	33.105	26.666	1443.1
269.0	272.42	-1.721	26.376	33.105	26.666	1443.1
270.0	273.36	-1.721	26.376	33.105	26.666	1443.1



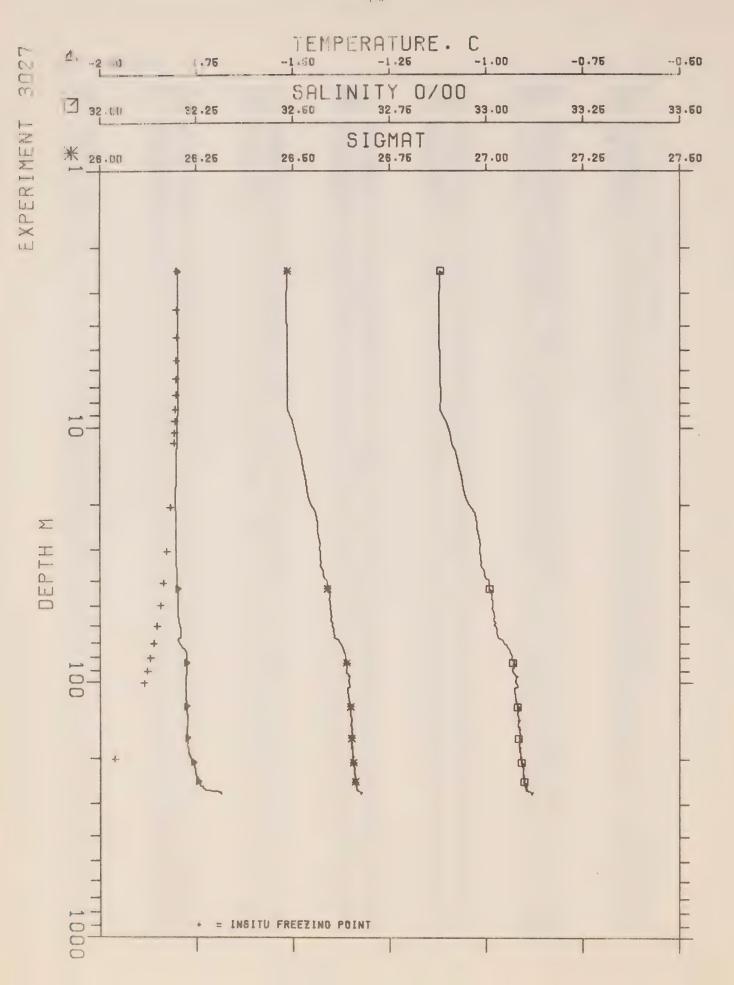
CRUISE 15-77-021	CROZIER STR	AIT-77	SITE C(6)B	EXPE	RIMENT 3Ø26
LAT.N. 75-29-49	LONG.W. 97-	Ø2-56	DATE Ø4Ø477		G.M.T. Ø725
U.T.M. ZONE 14	3379694 N 554	524 E	DEPTH INCR 1.00	WATER	DEPTH 271 M
DEPTH PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M) (DBARS)		(MMHO)	(0/00)	J. GILL	(M/SEC)
1.Ø 1.65 2.Ø 2.72	-1.806 -1.804	26.060 26.059	32.921 32.917	26.518	1438.Ø 1438.Ø
3.0 3.72	-1.804	26.061		26.517	1438.0
4.0 4.76	-1.804	26.063	32.921	26.518	1438.0
5.Ø 5.78 6.Ø 6.76	-1.8Ø4 -1.8Ø4	26.Ø63 26.Ø65	32.921 32.922	26.518 26.519	1438.1
7.0 7.81	-1.804	26.064		26.518	1438.1
8.0 8.78	-1.804	26.066	32.923	26.520	1438.1
9.Ø 9.8Ø 1Ø.Ø 1Ø.84	-1.804 -1.804	26.Ø69 26.Ø71	<b>32.9</b> 26 <b>32.9</b> 29	26.522	1438.1
11.0 11.83		26.074	32.932	26.527	1438.2
12.0 12.82	-1.803	26.075	32.932	26.527	1438.2
13.Ø 13.85 14.Ø 14.91	-1.8Ø4 -1.8Ø3	26.Ø75 26.Ø76	<b>32.9</b> 32 <b>32.9</b> 33	26.527 26.528	1438.2
15.0 15.87		26.076	32.932	26.528	1438.2
16.0 16.85	-1.804	26.077	32.933	26.528	1438.3
17.Ø 17.92 18.Ø 18.93	-1.803 -1.803	26.079 26.080	32.935 32.935	26.53Ø 26.53Ø	1438.3
19.0 19.91	-1.803	26.082	32.937	26.532	1438.3
20.0 20.97	-1.803	26.084	32.939	26.533	1438.3
21.Ø 21.96 22.Ø 23.ØØ	-1.803 -1.803	26.Ø82 26.Ø85	32.936 32.939	26.53Ø 26.533	1438.4
23.0 24.01	-1.802	26.086	32.940	26.534	1438.4
24.0 25.01		26.088	32.942	26.535	1438.4
25.Ø 26.Ø3 26.Ø 27.Ø6	-1.802 -1.802	26.Ø89 26.Ø89	32.943 32.942	26.536	1438.4
27.00 27.99		26.097	32.952	26.544	1438.5
28.0 29.01	-1.802	26.097	32.952	26.543	1438.5
29.Ø 3Ø.Ø5 3Ø.Ø 31.Ø8		26.1Ø3 26.1Ø2	32.960 32.957	26.549	1438.5 1438.5
31.0 32.06		26.104	32.960	26.55Ø	1438.6
32.0 33.11		26.105	32.961	26.55Ø 26.561	1438.6 1438.6
33.Ø 34.Ø6 34.Ø 35.Ø8	-1.801 -1.800	26.115	32.973 32.977	26.564	1438.6
35.0 36.10	-1.797	26.129	32.987	26.572	1438.7
36.0 37.12	-1.797	26.13Ø 26.131	32.988 32.988	26.573	1438.7 1438.7
37.Ø 38.17 38.Ø 39.14	-1.797 -1.797 -1.797	26.131	32.987	26.572	1438.7
39.0 40.16	-1.795	26.134	32.989	26.573	1438.8
40.0 41.15 41.0 42.19	-1.795 -1.794	26.135	32.989 32.993	26.574	1438.8
42.0 43.23	-1.792	26.145	32.999	26.581	1438.8
43.0 44.22	-1.789	26.155	33.009	26.589	1438.9
44.Ø 45.26 45.Ø 46.27	-1.787 -1.787	26.163	33.Ø17 33.Ø19	26.596 26.597	1438.9
46.0 47.28	-1.787	26.169	33.024	26.601	1439.0
47.0 48.30	-1.786	26.172	33.027	26.604	1439.Ø 1439.Ø
48.Ø 49.31 49.Ø 5Ø.3Ø	-1.786 -1.785	26.173 26.175	33.Ø28 33.Ø29	26.605	1439.0
50.0 51.35	-1.785	26.178	33.032	26.608	1439.1
51.0 52.36	-1.786	25.178	33.Ø33 33.Ø34	26.6Ø9 26.6Ø9	1439.1
52.Ø 53.36 53.Ø 54.38	-1.786 -1.786	26.179 26.18Ø	33.035	26.610	1439.1
54.0 55.41	-1.785	26.182	33.036	26.611	1439.1
55.Ø 56.4Ø	-1.785	26.184	33.Ø38 33.Ø43	26.613	1439.1
56.Ø 57.39 57.Ø 58.44	-1.781 -1.781	26.193	33.045	26.618	1439.2
58.0 59.47	-1.781	26.194	33.045	26.618	1439.2
59.0 60.43		26.197 26.199	33.048 33.050	26.621	1439.3
6Ø.Ø 61.49 61.Ø 62.53		26.199	33.048	26.621	1439.3
62.0 63.54		26.200	33.049	26.622	1439.3

DEPTH (N) (DBARS) (DESC. 0) (MHHO) (#/#80)  63.8 64.52 -1.779 26.282 33.852 26.624 1439.3 65.8 66.8 66.52 -1.779 26.282 33.851 26.623 1439.3 66.6.8 66.56 -1.779 26.282 33.851 26.623 1439.3 66.6.8 66.56 -1.779 26.282 33.852 26.624 1439.4 66.8 66.8 66.52 -1.778 26.282 33.852 26.624 1439.4 69.8 78.57 -1.778 26.289 33.852 26.624 1439.4 69.8 78.57 -1.778 26.289 33.852 26.624 1439.4 78.8 79.8 71.57 -1.778 26.289 33.852 26.624 1439.4 78.8 78.57 -1.778 26.289 33.852 26.624 1439.4 78.8 79.8 71.57 -1.778 26.289 33.852 26.626 1439.4 78.8 79.8 71.57 -1.778 26.289 33.852 26.626 1439.5 71.6 72.54 -1.777 26.199 33.851 26.626 1439.5 72.8 73.8 74.57 -1.777 26.118 33.851 26.628 1439.5 77.8 77.5 91.7 1.777 26.218 33.852 26.628 1439.5 77.8 77.8 77.8 77.8 77.8 77.8 77.8 77							
(WHO) (DBARS) (DEC.C) (MMHO) (#V8E) (WYSEC) 63.8 64.52 -1.779 26.282 33.852 26.624 1439.3 65.8 66.56 -1.779 26.282 33.851 26.623 1439.3 66.8 66.56 -1.778 26.284 33.852 26.624 1439.3 66.8 69.51 -1.778 26.286 33.852 26.624 1439.4 66.8 69.51 -1.778 26.289 33.855 26.624 1439.4 78.8 71.57 -1.778 26.289 33.855 26.624 1439.4 79.8 71.57 -1.778 26.289 33.855 26.626 1439.4 79.8 71.57 -1.778 26.289 33.857 26.628 1439.4 79.8 71.57 -1.778 26.289 33.857 26.628 1439.4 79.8 71.57 -1.778 26.289 33.857 26.628 1439.4 79.8 71.57 -1.778 26.289 33.857 26.628 1439.5 72.8 73.54 -1.777 26.193 33.857 26.628 1439.5 73.8 73.54 -1.777 26.112 33.857 26.628 1439.5 73.8 75.68 -1.777 26.215 33.860 26.632 1439.5 74.8 75.68 -1.777 26.215 33.860 26.632 1439.5 75.8 77.59 -1.777 26.215 33.860 26.632 1439.5 76.8 97.759 -1.777 26.215 33.860 26.632 1439.5 76.8 97.759 -1.777 26.215 33.858 26.632 1439.5 78.8 88.78 88.78 -1.777 26.215 33.859 26.632 1439.5 88.8 88.78 98.18 -1.777 26.215 33.859 26.632 1439.6 88.8 88.78 98.18 -1.777 26.215 33.859 26.632 1439.6 88.8 88.78 98.18 -1.777 26.217 33.859 26.632 1439.6 88.8 88.78 98.18 8 -1.777 26.217 33.859 26.632 1439.6 88.8 88.78 98.19	DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
68.8 66.56 -1.779 26.284 33.851 26.624 1439.4 66.8 67.56 -1.779 26.284 33.852 26.624 1439.4 66.8 67.56 -1.778 26.286 33.852 26.624 1439.4 66.8 67.56 -1.778 26.286 33.852 26.624 1439.4 68.8 69.51 -1.778 26.289 33.857 26.626 1439.4 69.8 78.57 -1.778 26.289 33.857 26.626 1439.4 78.8 77.57 -1.778 26.289 33.857 26.626 1439.4 78.8 77.57 -1.778 26.289 33.857 26.628 1439.5 78.8 77.57 -1.778 26.289 33.857 26.628 1439.5 78.8 77.57 -1.778 26.289 33.857 26.628 1439.5 78.8 77.5 79.6 79.5 79.5 79.5 79.5 79.5 79.5 79.5 79.5	(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
68.8 66.56 -1.779 26.284 33.851 26.624 1439.4 66.8 67.56 -1.779 26.284 33.852 26.624 1439.4 66.8 67.56 -1.778 26.286 33.852 26.624 1439.4 66.8 67.56 -1.778 26.286 33.852 26.624 1439.4 68.8 69.51 -1.778 26.289 33.857 26.626 1439.4 69.8 78.57 -1.778 26.289 33.857 26.626 1439.4 78.8 77.57 -1.778 26.289 33.857 26.626 1439.4 78.8 77.57 -1.778 26.289 33.857 26.628 1439.5 78.8 77.57 -1.778 26.289 33.857 26.628 1439.5 78.8 77.57 -1.778 26.289 33.857 26.628 1439.5 78.8 77.5 79.6 79.5 79.5 79.5 79.5 79.5 79.5 79.5 79.5							
Sep.   26   1.56	63.0	64.52					
66. 8 67.56 -1.778 26.284 33.852 26.624 1439.4 68.8 69.51 -1.778 26.285 33.852 26.626 1439.4 68.8 69.51 -1.778 26.288 33.855 26.626 1439.4 69.8 78.57 -1.778 26.289 33.855 26.626 1439.4 78.8 71.57 -1.778 26.289 33.855 26.626 1439.4 78.8 71.57 -1.778 26.289 33.854 26.626 1439.5 79.8 71.8 72.54 -1.778 26.218 33.857 26.628 1439.5 72.8 73.54 -1.777 26.199 33.841 26.615 1439.5 72.8 73.54 -1.777 26.199 33.841 26.615 1439.5 72.8 74.57 -1.777 26.191 33.861 26.628 1439.5 73.8 74.57 74.57 -1.777 26.191 33.861 26.628 1439.5 74.8 77.8 74.57 -1.777 26.115 33.861 26.628 1439.5 74.8 77.8 74.57 77.7 26.215 33.861 26.628 1439.5 74.8 77.8 74.57 77.8 75.8 8 77.9 9 -1.777 26.214 33.857 26.628 1439.5 77.8 78.8 77.9 9 -1.777 26.214 33.858 26.629 1439.5 77.8 9 79.68 -1.777 26.214 33.858 26.629 1439.6 77.8 9 79.68 81.69 -1.777 26.215 33.862 26.632 1439.6 88.8 88.8 81.68 -1.777 26.215 33.862 26.632 1439.6 81.8 82.68 -1.777 26.217 33.859 26.629 1439.6 81.8 82.68 -1.777 26.217 33.859 26.629 1439.6 81.8 82.68 -1.777 26.217 33.859 26.632 1439.6 81.8 82.68 81.777 26.217 33.859 26.632 1439.6 81.8 82.68 83.7 9 -1.777 26.219 33.862 26.632 1439.6 81.8 82.8 83.7 9 -1.777 26.219 33.862 26.632 1439.6 81.8 82.8 83.7 9 -1.777 26.219 33.862 26.632 1439.6 81.8 82.8 83.7 9 -1.777 26.219 33.862 26.632 1439.6 81.8 83.7 9 -1.777 26.219 33.862 26.632 1439.6 81.8 83.7 9 -1.777 26.221 33.869 26.632 1439.7 88.8 88.8 89.7 3 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.8 99.7 9 -1.777 26.221 33.862 26.632 1439.9 99.9 99.8 99.7 9 -1.777 26.223 33.862 26.632 1439.9 99.9 99.8 99.7 9 -1.777 26.224 33.862 26.632	64.0	65.52					
68. 8 69.51 -1.778 26.288 33.852 26.624 1439.4 69.8 78.57 -1.778 26.288 33.855 26.626 1439.4 69.8 78.57 -1.778 26.288 33.855 26.626 1439.4 69.8 78.57 -1.778 26.288 33.855 26.626 1439.5 71.8 72.54 -1.778 26.288 33.854 26.626 1439.5 71.8 72.54 -1.778 26.218 33.854 26.626 1439.5 72.8 73.54 -1.777 26.199 33.857 26.628 1439.5 73.8 74.57 -1.777 26.215 33.851 26.615 1439.5 73.8 74.57 -1.777 26.215 33.851 26.628 1439.5 75.8 76.61 -1.777 26.215 33.851 26.628 1439.5 75.8 76.61 -1.777 26.215 33.868 26.628 1439.5 76.8 76.61 -1.777 26.215 33.868 26.628 1439.5 77.8 8 79.68 -1.777 26.214 33.858 26.628 1439.5 77.8 8 8 8 8 8 8 9 -1.777 26.214 33.858 26.628 1439.5 77.8 8 8 8 8 8 8 9 -1.777 26.214 33.858 26.628 1439.6 8 14.8 8 1.8 8 1.8 8 1.8 8 1.777 26.215 33.868 26.628 1439.6 8 1.8 8 8 1.8 8 1.8 8 1.777 26.217 33.859 26.638 1439.6 8 1.8 8 8 1.8 8 8 1.777 26.217 33.859 26.622 1439.6 8 1.8 8 8 1.8 8 1.777 26.217 33.859 26.622 1439.6 8 1.8 8 8 1.8 8 1.777 26.217 33.859 26.632 1439.6 8 1.8 8 8 1.8 8 1.777 26.217 33.859 26.632 1439.7 8 1.8 8 1.8 8 1.777 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.777 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.777 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.777 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.777 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.777 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.7 8 1.7 77 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.7 8 1.7 77 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.7 77 26.221 33.860 26.632 1439.7 8 1.8 8 1.8 8 1.7 77 26.217 33.869 26.632 1439.7 8 1.8 8 1.8 8 1.7 77 26.221 33.860 26.632 1439.7 8 1.8 8 1.8 8 1.7 77 26.221 33.868 26.632 1439.7 9 1.7 77 26.221 33.869 26.632 1439.9 9 1.7 77 26.221 33.868 26.632 1439.9 9 1.7 8 1.7 77 26.221 33.868 26.632 1439.9 9 1.7 8 1.7 77 26.221 33.868 26.632 1439.9 9 1.7 8 1.8 8 1.7 9 1.7 7 26.221 33.868 26.632 1439.9 9 1.7 9 1.7 7 26.221 33.868 26.632 1439.9 9 1.7 9 1.7 7 26.221 33.868 26.632 1439.9 9 1.8 8 1.7 9 1.7 7 26.221 33.868 26.632 1439.9 9 1.8 8 1.8 9 1.7 9 1.7 7 26.221 33.869 26.632 1439.9 9 1.8 8 1.7 9 1.7 7 26.2	65.0	66.56					
69.8	66.0	67.56					
Fig. 18	67.Ø	68.52					
78, 8	68.0	69.51					
721.8 72.54 -1.778 26.218 33.857 26.628 1439.5 72.8 73.54 -1.777 26.219 33.841 26.615 1439.5 73.8 74.57 -1.777 26.212 33.857 26.628 1439.5 75.8 76.8 76.61 -1.777 26.215 33.867 26.628 1439.5 76.8 76.61 -1.777 26.215 33.868 26.628 1439.5 76.8 77.59 -1.777 26.214 33.857 26.638 1439.5 76.8 77.59 -1.777 26.214 33.857 26.628 1439.6 77.8 78.62 -1.777 26.214 33.857 26.628 1439.6 79.8 88.69 -1.777 26.216 33.865 26.628 1439.6 79.8 88.69 -1.777 26.216 33.852 26.622 1439.6 88.8 88.78 -1.777 26.217 33.859 26.632 1439.6 88.8 88.78 -1.777 26.217 33.859 26.632 1439.6 88.8 88.78 -1.777 26.218 33.859 26.632 1439.6 88.8 88.78 -1.777 26.218 33.859 26.632 1439.7 88.8 88.78 -1.777 26.222 33.863 26.632 1439.7 88.8 88.78 -1.777 26.222 33.863 26.633 1439.7 88.8 88.78 -1.777 26.221 33.859 26.633 1439.7 88.8 88.78 -1.777 26.222 33.868 26.633 1439.7 88.8 88.78 -1.777 26.222 33.868 26.633 1439.7 89.8 88.78 -1.777 26.222 33.868 26.633 1439.7 89.8 88.78 -1.777 26.222 33.868 26.633 1439.7 89.8 88.78 -1.777 26.222 33.868 26.631 1439.7 89.8 89.79 -1.776 26.222 33.868 26.631 1439.7 89.8 89.79 -1.776 26.222 33.868 26.631 1439.7 89.8 99.79 -1.777 26.222 33.868 26.632 1439.8 99.8 99.79 -1.777 26.223 33.868 26.631 1439.7 99.8 99.8 99.79 -1.777 26.224 33.868 26.631 1439.7 99.8 99.8 99.79 -1.777 26.224 33.868 26.631 1439.7 99.8 99.8 99.79 -1.777 26.224 33.868 26.632 1439.9 99.8 99.8 99.79 -1.776 26.222 33.868 26.632 1439.9 99.8 99.8 99.79 -1.776 26.222 33.868 26.632 1439.9 99.8 99.8 99.79 -1.776 26.223 33.868 26.632 1439.9 99.8 99.8 99.8 -1.776 26.225 33.866 26.632 1439.9 99.8 99.8 99.8 -1.776 26.226 33.866 26.632 1439.9 99.8 99.8 99.8 -1.776 26.228 33.868 26.632 1439.9 99.8 99.9 98 -1.776 26.228 33.866 26.632 1439.9 99.8 99.8 99.8 99.8 99.8 99.8 99.8	69.Ø	70.57					
72.8 73.54 -1.777 26.199 33.841 26.615 1429.5 74.8 75.68 74.57 -1.777 26.212 33.857 26.628 1429.5 75.8 75.68 77.59 -1.777 26.215 33.861 26.632 1429.5 76.8 77.59 -1.777 26.214 33.858 26.628 1429.6 77.8 79.66 -1.777 26.214 33.858 26.628 1429.6 77.8 79.66 -1.777 26.215 33.858 26.628 1429.6 78.8 79.66 -1.777 26.215 33.858 26.629 1439.6 88.8 81.68 -1.777 26.215 33.859 26.629 1439.6 88.8 81.68 -1.777 26.216 33.859 26.638 1429.6 88.8 81.68 -1.777 26.217 33.859 26.638 1429.6 88.8 81.68 -1.777 26.219 33.859 26.638 1429.6 82.8 83.78 -1.777 26.219 33.859 26.632 1429.7 84.8 85.75 -1.777 26.219 33.852 26.632 1429.7 84.8 85.75 -1.777 26.22 33.852 26.632 1429.7 86.8 87.73 -1.777 26.22 33.858 26.632 1429.7 88.8 88.78 -1.777 26.22 33.858 26.632 1429.7 88.8 88.78 -1.777 26.22 33.858 26.632 1429.7 88.8 88.78 -1.777 26.22 33.858 26.638 1429.7 89.8 99.79 -1.777 26.22 33.858 26.638 1429.7 89.8 99.79 -1.777 26.22 33.858 26.638 1429.7 89.8 99.79 -1.777 26.22 33.858 26.638 1429.7 89.8 99.79 -1.777 26.22 33.858 26.638 1429.7 89.8 99.79 -1.777 26.22 33.858 26.638 1429.8 99.8 99.79 -1.777 26.22 33.858 26.638 1429.8 99.8 99.79 -1.777 26.22 33.858 26.632 1429.8 99.8 99.79 -1.777 26.22 33.858 26.632 1429.8 99.8 99.79 -1.776 26.224 33.852 26.632 1429.8 99.8 99.79 -1.776 26.224 33.852 26.632 1429.8 99.8 99.79 -1.776 26.224 33.852 26.632 1429.9 99.8 99.8 99.79 -1.776 26.225 33.852 26.632 1439.9 99.8 99.8 99.7 -1.776 26.225 33.852 26.632 1439.9 99.8 99.9 -1.776 26.225 33.852 26.632 1439.9 99.8 99.9 -1.776 26.225 33.852 26.632 1439.9 99.8 99.9 -1.776 26.226 33.852 26.632 1439.9 99.8 99.9 -1.776 26.227 33.866 26.639 1448.8 188.8 99.8 99.9 -1.776 26.228 33.866 26.637 1448.8 188.8 99.8 99.9 -1.776 26.229 33.866 26.637 1448.8 188.8 99.8 99.9 -1.776 26.229 33.866 26.637 1448.8 188.8 99.8 99.9 -1.776 26.229 33.866 26.637 1448.8 188.8 99.8 99.9 -1.777 26.244 33.879 26.641 1448.8 188.8 99.8 99.9 -1.777 26.243 33.879 26.641 1448.8 188.8 99.8 99.9 -1.777 26.244 33.879 26.641 1448.3 188.8 99.8 99.9 -1.777 26.244 33.879 26.641 1448.8 188.8 99.8 99.8 99.8 99.	70.0	71.57					
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88.0         89.78         -1.776         26.221         33.060         26.630         1439.8           90.0         90.79         -1.776         26.224         33.061         26.631         1439.8           91.0         92.78         -1.777         26.224         33.061         26.632         1439.8           91.0         92.78         -1.777         26.224         33.061         26.632         1439.8           92.0         93.79         -1.776         26.224         33.062         26.632         1439.8           93.0         94.77         -1.776         26.225         33.062         26.632         1439.9           95.0         95.0         96.84         -1.776         26.226         33.062         26.632         1439.9           96.0         97.0         6.84         -1.776         26.226         33.062         26.632         1439.9           97.0         98.90         -1.776         26.227         33.062         26.632         1439.9           98.0         99.90         -1.776         26.227         33.066         26.632         1439.9           98.0         99.90         -1.777         26.227         33.066         26.634 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
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99.00							
100.0         101.90         -1.777         26.234         33.070         26.639         1440.0           101.0         102.89         -1.776         26.233         33.068         26.637         1440.0           103.0         104.93         -1.776         26.234         33.069         26.637         1440.0           104.0         105.91         -1.777         26.234         33.069         26.637         1440.0           105.0         106.95         -1.777         26.234         33.069         26.637         1440.0           107.0         106.95         -1.777         26.234         33.068         26.637         1440.1           107.0         107.97         -1.777         26.235         33.070         26.638         1440.1           107.0         108.98         -1.777         26.235         33.068         26.637         1440.1           100.0         110.96         -1.777         26.235         33.070         26.639         1440.1           110.0         110.96         -1.777         26.236         33.070         26.639         1440.1           110.0         112.00         -1.777         26.241         33.076         26.643         1440.1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
101.0							
102.0							
103.0         104.93         -1.776         26.234         33.069         26.637         1440.0           104.0         105.91         -1.777         26.234         33.0669         26.638         1440.0           105.0         106.95         -1.777         26.234         33.068         26.637         1440.1           107.0         108.98         -1.777         26.235         33.068         26.637         1440.1           108.0         109.95         -1.777         26.236         33.070         26.639         1440.1           109.0         110.96         -1.777         26.234         33.076         26.639         1440.1           110.0         112.00         -1.777         26.234         33.076         26.639         1440.1           110.0         112.00         -1.777         26.241         33.076         26.639         1440.1           111.0         113.00         -1.777         26.241         33.070         26.643         1440.1           11.0         113.00         -1.777         26.241         33.070         26.642         1440.1           11.0         113.00         -1.777         26.241         33.070         26.642         1440.2							
104.0         105.91         -1.777         26.234         33.069         26.638         1440.0           105.0         106.95         -1.777         26.234         33.068         26.637         1440.1           106.0         107.97         -1.777         26.235         33.070         26.638         1440.1           107.0         108.98         -1.777         26.235         33.070         26.639         1440.1           108.0         109.95         -1.777         26.236         33.070         26.639         1440.1           109.0         110.96         -1.777         25.234         33.076         26.639         1440.1           110.0         112.00         -1.777         26.241         33.076         26.636         1440.1           111.0         113.04         -1.777         26.241         33.076         26.643         1440.1           111.0         114.01         -1.777         26.241         33.076         26.642         1440.2           112.0         114.01         -1.777         26.241         33.076         26.642         1440.2           113.0         115.01         -1.777         26.241         33.072         26.640         1440.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
105.0         106.95         -1.777         26.234         33.068         26.637         1440.1           106.0         107.97         -1.777         26.235         33.070         26.638         1440.1           107.0         108.98         -1.777         26.235         33.070         26.639         1440.1           109.0         110.96         -1.777         26.234         33.070         26.639         1440.1           110.0         112.00         -1.777         26.234         33.076         26.636         1440.1           111.0         113.00         -1.777         26.237         33.076         26.639         1440.1           111.0         113.00         -1.777         26.237         33.070         26.639         1440.1           113.0         115.01         -1.777         26.237         33.070         26.639         1440.2           113.0         115.01         -1.777         26.241         33.074         26.642         1440.2           114.0         115.01         -1.777         26.240         33.072         26.640         1440.2           115.0         117.08         -1.777         26.243         33.073         26.643         1440.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
106.0         107.97         -1.777         26.235         33.070         26.638         1440.1           107.0         108.98         -1.777         26.235         33.068         26.637         1440.1           108.0         109.95         -1.777         26.236         33.070         26.639         1440.1           109.0         110.96         -1.777         26.234         33.076         26.636         1440.1           110.0         112.00         -1.777         26.241         33.076         26.643         1440.1           111.0         113.04         -1.777         26.241         33.074         26.639         1440.2           112.0         114.01         -1.777         26.241         33.074         26.642         1440.2           113.0         115.01         -1.777         26.241         33.074         26.642         1440.2           114.0         115.01         -1.777         26.239         33.070         26.640         1440.2           115.0         117.08         -1.777         26.243         33.072         26.643         1440.2           115.0         117.08         -1.777         26.243         33.072         26.640         1440.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
107.0         108.98         -1.777         26.235         33.068         26.637         1440.1           108.0         109.95         -1.777         26.236         33.070         26.639         1440.1           109.0         110.96         -1.777         26.234         33.067         26.636         1440.1           110.0         112.00         -1.777         26.241         33.076         26.643         1440.1           111.0         113.04         -1.777         26.241         33.070         26.639         1440.2           112.0         114.01         -1.777         26.241         33.074         26.642         1440.2           113.0         115.01         -1.777         26.240         33.070         26.642         1440.2           113.0         115.01         -1.777         26.240         33.070         26.640         1440.2           114.0         116.04         -1.777         26.240         33.075         26.640         1440.2           115.0         117.08         -1.777         26.243         33.075         26.640         1440.2           117.0         119.06         -1.777         26.243         33.073         26.641         1440.3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
108.0       109.95       -1.777       26.236       33.070       26.639       1440.1         109.0       110.96       -1.777       26.234       33.067       26.636       1440.1         110.0       112.00       -1.777       26.241       33.076       26.639       1440.1         111.0       113.04       -1.777       26.241       33.070       26.639       1440.2         112.0       114.01       -1.777       26.241       33.072       26.640       1440.2         113.0       115.01       -1.777       26.240       33.070       26.639       1440.2         114.0       116.04       -1.777       26.239       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.640       1440.2         116.0       118.07       -1.777       26.243       33.075       26.643       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         120.0       121.12       -1.777       26.244       33.074       26.641							
109.0       110.96       -1.777       25.234       33.067       26.636       1440.1         110.0       112.00       -1.777       26.241       33.076       26.643       1440.1         111.0       113.04       -1.777       26.237       33.070       26.639       1440.2         112.0       114.01       -1.777       26.241       33.072       26.642       1440.2         113.0       115.01       -1.777       26.240       33.072       26.640       1440.2         114.0       116.044       -1.777       26.243       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.643       1440.2         115.0       117.08       -1.777       26.243       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.243       33.073       26.641       1440.3         120.0       122.05       -1.777       26.243       33.074       26.641       1440.3         120.0       123.15       -1.777       26.244       33.074       26.641							
110.0       112.00       -1.777       26.241       33.076       26.643       1440.1         111.0       113.04       -1.777       26.237       33.070       26.639       1440.2         112.0       114.01       -1.777       26.241       33.074       26.642       1440.2         113.0       115.01       -1.777       26.240       33.072       26.640       1440.2         114.0       116.04       -1.777       26.239       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.643       1440.2         116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.244       33.074       26.641       1440.3         121.0       123.15       -1.777       26.244       33.073       26.640							
111.0       113.04       -1.777       26.237       33.070       26.639       1440.2         112.0       114.01       -1.777       26.241       33.074       26.642       1440.2         113.0       115.01       -1.777       26.240       33.072       26.640       1440.2         114.0       116.04       -1.777       26.239       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.643       1440.2         116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.641       1440.3         122.0       123.15       -1.777       26.245       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.073       26.641							
112.0       114.01       -1.777       26.241       33.074       26.642       1440.2         113.0       115.01       -1.777       26.240       33.072       26.640       1440.2         114.0       116.04       -1.777       26.239       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.643       1440.2         116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         120.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.245       33.073       26.641       1440.3         122.0       124.12       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.073       26.641							
113.0       115.01       -1.777       26.240       33.072       26.640       1440.2         114.0       116.04       -1.777       26.239       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.643       1440.2         116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.245       33.072       26.640       1440.3         122.0       124.12       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.072       26.640							
114.0       116.04       -1.777       26.239       33.070       26.639       1440.2         115.0       117.08       -1.777       26.243       33.075       26.643       1440.2         116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.243       33.072       26.640       1440.3         122.0       124.12       -1.777       26.243       33.072       26.640       1440.3         123.0       125.16       -1.777       26.244       33.073       26.641       1440.3         124.0       125.16       -1.777       26.244       33.072       26.640       1440.4         125.0       127.24       -1.777       26.246       33.072       26.640							
115.0       117.00       -1.777       26.243       33.075       26.643       1440.2         116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.243       33.072       26.640       1440.3         122.0       124.12       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.073       26.641       1440.4         124.0       125.16       -1.777       26.244       33.072       26.640       1440.4         125.0       127.24       -1.777       26.246       33.072       26.640       1440.4         126.0       128.26       -1.777       26.246       33.072       26.640							
116.0       118.07       -1.777       26.241       33.072       26.640       1440.2         117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.243       33.072       26.640       1440.3         122.0       124.12       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.072       26.640       1440.4         124.0       125.16       -1.777       26.244       33.071       26.639       1440.4         125.0       127.24       -1.777       26.246       33.072       26.640       1440.4         126.0       128.26       -1.777       26.246       33.072       26.640       1440.4         126.0       129.24       -1.777       26.246       33.073       26.641							
117.0       119.06       -1.777       26.243       33.073       26.641       1440.3         118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.243       33.072       26.640       1440.3         122.0       124.12       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.072       26.640       1440.4         124.0       126.17       -1.777       26.244       33.072       26.640       1440.4         125.0       127.24       -1.777       26.246       33.072       26.640       1440.4         126.0       128.26       -1.777       26.246       33.072       26.640       1440.4         127.0       129.24       -1.777       26.247       33.073       26.641       1440.4         128.0       130.21       -1.777       26.247       33.073       26.641							
118.0       120.05       -1.777       26.243       33.073       26.641       1440.3         119.0       121.12       -1.777       26.244       33.074       26.641       1440.3         120.0       122.15       -1.777       26.245       33.074       26.642       1440.3         121.0       123.15       -1.777       26.243       33.072       26.640       1440.3         122.0       124.12       -1.777       26.244       33.073       26.641       1440.3         123.0       125.16       -1.777       26.244       33.072       26.640       1440.4         124.0       126.17       -1.777       26.244       33.071       26.639       1440.4         125.0       127.24       -1.777       26.246       33.072       26.640       1440.4         126.0       128.26       -1.777       26.246       33.072       26.640       1440.4         127.0       129.24       -1.777       26.246       33.073       26.641       1440.4         128.0       130.21       -1.777       26.247       33.073       26.641       1440.4							
119.0     121.12     -1.777     26.244     33.074     26.641     1440.3       120.0     122.15     -1.777     26.245     33.074     26.642     1440.3       121.0     123.15     -1.777     26.243     33.072     26.640     1440.3       122.0     124.12     -1.777     26.244     33.073     26.641     1440.3       123.0     125.16     -1.777     26.244     33.072     26.640     1440.4       124.0     126.17     -1.777     26.244     33.071     26.639     1440.4       125.0     127.24     -1.777     26.246     33.072     26.640     1240.4       126.0     128.26     -1.777     26.246     33.072     26.640     1440.4       127.0     129.24     -1.777     26.247     33.073     26.641     1440.4       128.0     130.21     -1.777     26.247     33.073     26.641     1440.4							
120.0     122.15     -1.777     26.245     33.074     26.642     1440.3       121.0     123.15     -1.777     26.243     33.072     26.640     1440.3       122.0     124.12     -1.777     26.244     33.073     26.641     1440.3       123.0     125.16     -1.777     26.244     33.072     26.640     1440.4       124.0     126.17     -1.777     26.244     33.071     26.639     1440.4       125.0     127.24     -1.777     26.246     33.072     26.640     1440.4       126.0     128.26     -1.777     26.246     33.072     26.640     1440.4       127.0     129.24     -1.777     26.247     33.073     26.641     1440.4       128.0     130.21     -1.777     26.247     33.073     26.641     1440.4							
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127.0     129.24     -1.777     26.247     33.073     26.641     1440.4       128.0     130.21     -1.777     26.247     33.073     26.641     1440.4							
128.0 130.21 -1.777 26.247 33.073 26.641 1440.4	127.0						
	129.0	131.22	-1.776	26.248	33.072		

DEPTH						EXPERI	MENI SEZO
132.8 133.29 -1.776						SIGMAT	
132.8 133.29 -1.776	130.0	132.27	-1.777	25.248	33 073	26 641	1449 5
132, 8							
133.8							
134.8							
136. #   137.31   -1.776   26.25   33.872   26.64   144   6.6   137.8   139.35   -1.776   26.25   33.872   26.64   144   6.6   138.8   149.37   -1.776   26.25   33.872   26.64   144   6.6   138.8   141.39   -1.777   26.25   23.873   26.64   144   6.6   148.8   148.37   -1.777   26.25   23.873   26.64   144   6.6   148.8   142.4   -1.777   26.25   23.873   26.64   144   6.6   144   6.6   141.8   143.44   -1.777   26.25   33.873   26.64   144   6.6   141.8   143.44   -1.777   26.25   33.873   26.64   144   6.6   142.8   145.43   -1.777   26.25   33.873   26.64   144   6.6   144.8   142.4   -1.777   26.25   33.873   26.64   144   6.6   144   7.777   26.25   33.875   26.64   144   7.6   144.8   144.8   147.45   -1.777   26.25   33.875   26.64   144   7.6   144.8   147.45   -1.777   26.25   33.875   26.64   144   7.6   144.8   148.8   149.5   26.5							
136.8   138.33   -1.776   26.251   33.872   26.648   1448.6   138.8   148.37   -1.776   26.251   33.873   26.641   1448.6   139.8   148.37   -1.777   26.252   33.873   26.641   1448.6   148.8   142.41   -1.777   26.252   33.873   26.641   1448.6   141.8   142.41   -1.777   26.254   33.873   26.641   1448.6   141.8   142.41   -1.777   26.254   33.873   26.641   1448.6   141.8   144.44   -1.777   26.254   33.875   26.642   1448.7   143.8   145.43   -1.777   26.254   33.873   26.641   1448.6   143.44   -1.777   26.254   33.875   26.642   1448.7   144.8   146.45   -1.777   26.256   33.875   26.642   1448.7   144.8   146.46   -1.777   26.256   33.875   26.642   1448.7   145.8   147.45   -1.775   26.256   33.875   26.642   1448.7   147.8   148.50   -1.775   26.256   33.875   26.642   1448.7   147.8   148.50   -1.775   26.256   33.875   26.642   1448.7   147.8   148.50   -1.775   26.256   33.875   26.644   1448.8   148.8   158.52   -1.775   26.256   33.875   26.644   1448.8   158.8   2 -1.776   26.268   33.875   26.644   1448.8   158.8   151.2   -1.776   26.268   33.879   26.646   1448.8   158.8   151.2   -1.776   26.268   33.879   26.646   1448.8   158.8   -1.777   26.268   33.879   26.646   1448.8   158.8   -1.777   26.268   33.879   26.646   1448.8   158.8   -1.777   26.268   33.879   26.646   1448.9   151.2   153.56   -1.778   26.268   33.879   26.646   1448.9   153.8   -1.777   26.268   33.879   26.646   1448.9   153.8   -1.777   26.268   33.889   26.647   1448.9   159.8   159.6   -1.777   26.268   33.89   26.647   1448.9   159.8   159.6   -1.777   26.268   33.89   26.648   1449.9   159.8   159.6   -1.777   26.268   33.89   26.648   1444.9   158.8   159.8   -1.777   26.268   33.89   26.647   1441.8   164.8   -1.777   26.269   33.89   26.648   1441.9   159.8   169.6   -1.777   26.269   33.89   26.648   1441.9   159.8   169.8   -1.777   26.277   33.89   26.649   1441.1   169.8   177.7   177.7   26.277   33.89   26.649   1441.1   169.8   177.7   26.277   33.89   26.649   1441.1   178.8   177.7   177.7   26.277   3							
137. Ø 139. 95 -1.776							
139. Ø 140.37 -1.776							
149.8 142.41 -1.777 26.252 33.873 26.641 1448.6 1448.6 1441.8 143.44 -1.777 26.254 33.875 26.643 1448.7 142.8 144.4 -1.777 26.254 33.875 26.643 1448.7 143.8 145.43 -1.777 26.254 33.873 26.641 1448.7 143.8 145.43 -1.777 26.254 33.873 26.641 1448.7 144.8 145.43 -1.777 26.256 33.875 26.642 1448.7 145.8 147.45 -1.777 26.256 33.875 26.642 1448.7 145.8 149.58 -1.777 26.256 33.875 26.642 1448.7 145.8 158.52 -1.775 26.256 33.875 26.642 1448.7 147.8 149.58 -1.775 26.256 33.875 26.642 1448.7 147.8 158.52 -1.775 26.256 33.875 26.642 1448.8 158.52 -1.775 26.256 33.875 26.643 1448.8 158.52 -1.775 26.263 33.877 26.643 1448.8 158.52 -1.776 26.261 33.8778 26.643 1448.8 158.8 152.55 -1.776 26.261 33.878 26.645 1448.8 158.8 152.55 -1.776 26.262 33.879 26.646 1448.8 152.8 153.56 -1.775 26.263 33.879 26.646 1448.8 152.8 153.56 -1.776 26.263 33.879 26.646 1448.8 152.8 155.68 -1.776 26.263 33.879 26.646 1448.8 152.8 155.68 -1.778 26.263 33.879 26.646 1448.9 153.8 155.68 -1.778 26.263 33.881 26.648 1448.9 155.8 155.66 -1.778 26.265 33.881 26.648 1448.9 155.8 155.66 -1.778 26.265 33.881 26.648 1448.9 155.8 155.66 -1.778 26.265 33.881 26.648 1448.9 155.8 159.62 -1.778 26.265 33.881 26.648 1448.9 155.8 159.62 -1.778 26.265 33.881 26.648 1448.9 155.8 159.62 -1.778 26.265 33.881 26.648 1448.9 155.8 159.62 -1.778 26.265 33.881 26.648 1448.9 155.8 159.62 -1.778 26.265 33.881 26.648 1448.9 155.8 159.62 -1.777 26.265 33.881 26.648 1444.8 156.8 168.63 -1.777 26.265 33.881 26.648 1444.8 156.8 169.63 -1.777 26.265 33.881 26.648 1444.8 166.8 167.78 -1.777 26.265 33.881 26.648 1444.8 166.8 169.73 -1.777 26.265 33.882 26.647 1444.8 161.8 163.67 -1.777 26.265 33.882 26.648 1441.8 161.8 163.67 -1.777 26.265 33.882 26.648 1441.8 161.8 163.67 -1.777 26.265 33.882 26.648 1441.8 161.8 163.67 -1.777 26.265 33.882 26.648 1441.8 161.8 163.67 -1.777 26.265 33.882 26.648 1441.8 161.8 163.67 -1.777 26.265 33.882 26.648 1441.8 161.8 163.8 163.67 -1.777 26.268 33.882 26.648 1441.8 161.8 163.8 163.8 177.7 177 26.268 33.882 26.648 1441.8 186.8 197.7 177 177 26.277							
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144.8 144.44 -1.777 26.254 33.874 26.642 1448.7 143.8 145.43 -1.777 26.256 33.873 26.642 1448.7 145.8 146.45 -1.777 26.256 33.875 26.642 1448.7 145.8 148.46 -1.777 26.256 33.875 26.642 1448.7 145.8 148.46 -1.777 26.256 33.874 26.642 1448.7 147.8 149.56 -1.775 26.256 33.874 26.642 1448.7 147.8 158.56 -1.775 26.256 33.874 26.642 1448.7 147.8 158.56 -1.775 26.256 33.874 26.642 1448.7 147.8 158.56 -1.775 26.256 33.876 26.644 1448.8 149.8 158.52 -1.776 26.259 33.876 26.644 1448.8 158.56 -1.776 26.265 33.879 26.646 1448.8 159.8 152.55 -1.776 26.262 33.879 26.646 1448.8 159.8 152.56 -1.775 26.263 33.879 26.646 1448.8 159.8 152.8 154.58 -1.775 26.263 33.879 26.646 1448.9 153.56 -1.775 26.263 33.879 26.646 1448.9 153.56 -1.777 26.263 33.879 26.646 1448.9 153.8 152.8 155.6 -1.777 26.263 33.879 26.646 1448.9 155.8 155.6 -1.777 26.263 33.879 26.646 1448.9 155.8 155.8 155.6 -1.777 26.265 33.881 26.648 1448.9 155.8 155.8 155.6 -1.777 26.265 33.881 26.648 1448.9 155.8 156.6 -1.777 26.265 33.881 26.648 1448.9 155.8 156.6 -1.777 26.265 33.881 26.648 1448.9 155.8 156.6 -1.777 26.265 33.881 26.648 1448.9 155.8 168.6 1-1.777 26.265 33.881 26.648 1448.9 155.8 168.6 1-1.777 26.265 33.881 26.648 1448.9 159.8 168.6 1-1.777 26.265 33.881 26.648 1448.9 159.8 168.6 1-1.777 26.265 33.881 26.648 1448.9 159.8 168.6 1-1.777 26.265 33.881 26.648 1441.8 166.8 162.66 -1.777 26.265 33.882 26.648 1441.8 166.8 162.66 -1.777 26.265 33.882 26.648 1441.8 166.8 168.6 169.7 1.777 26.265 33.882 26.648 1441.8 166.8 167.7 1.777 26.266 33.882 26.648 1441.8 166.8 167.7 1.777 26.269 33.882 26.648 1441.8 166.8 167.7 1.777 26.272 33.882 26.648 1441.1 166.8 167.7 1.777 26.272 33.882 26.648 1441.1 167.8 167.8 167.7 1.777 26.272 33.882 26.648 1441.1 167.8 167.8 177.7 1.777 26.272 33.882 26.648 1441.1 167.8 177.7 1.777 26.275 33.882 26.648 1441.1 167.8 177.7 1.777 26.275 33.882 26.648 1441.1 167.8 177.7 1.777 26.275 33.882 26.648 1441.1 177.8 177.7 1.777 26.275 33.882 26.648 1441.1 177.8 188.8 177.7 1.777 26.275 33.882 26.648 1441.1 177.8 188.8 177.7 1.777 26.275							
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146. Ø 148.46 -1.777 26.256 33.075 26.642 1448.7 147. Ø 149.50 -1.775 26.256 33.075 26.642 1448.7 147. Ø 149.50 -1.775 26.259 33.075 26.643 1448.8 149. Ø 150.52 -1.776 26.260 33.076 26.644 1448.8 149. Ø 151.52 -1.776 26.261 33.079 26.646 1448.8 150.8 152.55 -1.776 26.262 33.079 26.646 1448.8 151. Ø 153.56 -1.775 26.263 33.079 26.646 1448.8 151. Ø 153.56 -1.775 26.263 33.079 26.646 1448.8 151. Ø 153.56 -1.776 26.263 33.079 26.646 1448.8 152. Ø 154.58 -1.777 26.263 33.079 26.646 1448.9 153. Ø 155. Ø 1.777 26.263 33.079 26.646 1448.9 154. Ø 156. Ø -1.777 26.265 33.081 26.648 1448.9 155. Ø 157. Ø 2.777 26.265 33.081 26.648 1448.9 155. Ø 157. Ø 2.777 26.265 33.081 26.648 1448.9 155. Ø 158. Ø 1.777 26.265 33.081 26.648 1448.9 157. Ø 159. Ø 2.777 26.265 33.081 26.648 1448.9 159. Ø 160.63 -1.778 26.265 33.081 26.648 1448.9 159. Ø 160.64 -1.778 26.265 33.081 26.648 1448.9 159. Ø 160.65 -1.778 26.265 33.081 26.648 1448.9 159. Ø 160.64 -1.778 26.265 33.081 26.648 1448.9 159. Ø 161.64 -1.778 26.265 33.080 26.647 1449.9 159. Ø 161.64 -1.778 26.265 33.080 26.647 1449.9 159. Ø 161.64 -1.778 26.266 33.080 26.647 1449.9 160. Ø 160.65 -1.777 26.266 33.080 26.647 1441.0 161. Ø 163.67 -1.777 26.266 33.080 26.648 1441.0 162. Ø 164.69 -1.777 26.269 33.080 26.648 1441.0 163. Ø 165.69 -1.777 26.269 33.080 26.648 1441.0 164. Ø 166.71 -1.777 26.269 33.080 26.648 1441.0 165. Ø 167. 70 -1.777 26.269 33.080 26.648 1441.0 166. Ø 160.77 -1.777 26.269 33.080 26.648 1441.1 166. Ø 160.77 -1.777 26.272 33.080 26.648 1441.1 167. Ø 160.77 -1.777 26.272 33.080 26.648 1441.1 169. Ø 170.77 -1.777 26.270 33.080 26.649 1441.2 171. Ø 170.77 -1.777 26.270 33.080 26.649 1441.3 171. Ø 170.77 -1.777 26.270 33.080 26.649 1441.3 171. Ø 170.77 -1.777 26.270 33.080 26.649 1441.4 181. Ø 170.99 -1.777 26.280 33.080 26.649 1441.4 181. Ø 170.99 -1.777 26.280 33.080 26.649 1441.4 181. Ø 180.99 -1.777 26.280 33.080 26.649							1440 7
146.8							
147. #   149.5 #   -1.775   26.259   33. #75   26.644   144#.8   149. #   159.52   -1.776   26.261   33. #76   26.644   144#.8   159. #   152.55   -1.776   26.261   33. #78   26.645   144#.8   159. #   152.55   -1.776   26.263   33. #79   26.646   144#.8   151. #   153.56   -1.775   26.263   33. #79   26.646   144#.9   153. #   155.66   -1.776   26.263   33. #79   26.646   144#.9   153. #   155.66   -1.776   26.263   33. #79   26.646   144#.9   153. #   155.66   -1.777   26.263   33. #79   26.646   144#.9   154. #   156.62   -1.778   26.264   33. #   126.648   144#.9   155. #   157. #   159.62   -1.777   26.265   33. #   126.646   144#.9   155. #   159.62   -1.777   26.265   33. #   126.646   144#.9   156. #   159.62   -1.778   26.265   33. #   126.646   144#.9   159. #   159.62   -1.778   26.265   33. #   126.646   144#.9   159. #   161.64   -1.778   26.265   33. #   126.646   144#.9   159. #   161.64   -1.778   26.265   33. #   126.647   144#.9   159. #   161.64   -1.778   26.265   33. #   126.648   1441. #   162.66   -1.777   26.266   33. #   126.648   1441. #   163. #   163.67   -1.777   26.266   33. #   126.648   1441. #   163. #   163.67   -1.777   26.268   33. #   126.648   1441. #   163. #   163.67   -1.777   26.268   33. #   126.648   1441. #   163. #   163.67   -1.777   26.268   33. #   126.648   1441. #   164. #   166.71   -1.777   26.269   33. #   126.648   1441. #   165. #   167.7#   -1.777   26.269   33. #   126.648   1441. #   165. #   167.7#   -1.777   26.269   33. #   126.648   1441. #   165. #   167.7#   -1.777   26.272   33. #   126.648   1441. #   169. #   171.77   -1.777   26.272   33. #   126.648   1441. #   169. #   171.75   -1.777   26.272   33. #   126.648   1441. #   169. #   171.75   -1.777   26.271   33. #   126.648   1441.   169. #   171.75   -1.777   26.271   33. #   126.648   1441.   169. #   171.75   -1.777   26.274   33. #   126.648   1441.   169. #   171.77   -1.777   26.274   33. #   126.648   1441.   178. #   179. #   179. #   177.   26.274   33. #   126.648   1441.   179.							
148. #   158.52   -1.775   26.26#   33. #76   26.644   144#.8   159. #   151.55   -1.776   26.261   33. #78   26.645   144#.8   151. #   153.56   -1.776   26.262   33. #79   26.646   144#.8   151. #   153.56   -1.775   26.263   33. #79   26.646   144#.8   153. #   155.6#   -1.777   26.263   33. #79   26.646   144#.9   153. #   155.6#   -1.777   26.263   33. #79   26.646   144#.9   153. #   155.6#   -1.777   26.263   33. #79   26.646   144#.9   153. #   155.6#   -1.777   26.265   33. #81   26.648   144#.9   155. #   157.62   -1.777   26.265   33. #81   26.648   144#.9   157. #   159.62   -1.778   26.265   33. #81   26.648   144#.9   157. #   159.62   -1.778   26.265   33. #81   26.648   144#.9   157. #   159.62   -1.778   26.265   33. #81   26.647   144#.9   159. #   161.64   -1.778   26.265   33. #81   26.647   144#.9   159. #   161.64   -1.778   26.265   33. #81   26.647   144#.9   159. #   161.64   -1.778   26.266   33. #81   26.647   144#.9   161. #   163.67   -1.777   26.266   33. #81   26.648   1441. #   161. #   163.67   -1.777   26.266   33. #81   26.648   1441. #   162. #   162. #   164.69   -1.777   26.266   33. #81   26.647   1441. #   163.67   -1.777   26.269   33. #82   26.647   1441. #   163.67   -1.777   26.269   33. #82   26.647   1441. #   165. #   166.71   -1.777   26.269   33. #82   26.648   1441. #   165. #   167.78   -1.777   26.272   33. #83   26.647   1441.   165. #   167.78   -1.777   26.272   33. #83   26.647   1441.   165. #   167.78   -1.777   26.272   33. #83   26.647   1441.   169. #   171.75   -1.777   26.272   33. #83   26.647   1441.   169. #   171.75   -1.777   26.272   33. #83   26.647   1441.   169. #   171.75   -1.777   26.272   33. #83   26.649   1441.   173. #   173.77   -1.777   26.272   33. #83   26.649   1441.   173. #   173.77   -1.777   26.272   33. #83   26.649   1441.   173. #   173.77   -1.777   26.272   33. #83   26.649   1441.   173. #   173. #   173. #   177.77   26.275   33. #83   26.649   1441.   173. #   173. #   177. #   177. #   177. #   177. #   177. #   1							
149, 8							
158, #   152,55   -1.776   26.262   33, #79   26.646   144#.8.8   152, #   154,58   -1.775   26.263   33, #79   26.646   144#.8.8   155.6#   -1.777   26.263   33, #79   26.646   144#.9.9   153.8#   155.6#   -1.777   26.263   33, #79   26.646   144#.9.9   155.8#   157.62   -1.777   26.265   33, #81   26.648   144#.9.9   155.8#   157.62   -1.777   26.265   33, #81   26.648   144#.9.9   155.8#   156.6#   -1.778   26.265   33, #81   26.648   144#.9.9   157.8#   159.62   -1.778   26.265   33, #81   26.646   144#.9.9   157.8#   159.62   -1.778   26.265   33, #81   26.647   144#.9.9   158.8#   168.63   -1.778   26.265   33, #81   26.647   144#.9.9   159.8#   161.64   -1.778   26.265   33, #81   26.647   144#.9.9   159.8#   161.64   -1.778   26.265   33, #81   26.647   144#.9.9   159.8#   161.64   -1.778   26.266   33, #81   26.648   1441.9#   162.8#   162.64   -1.777   26.266   33, #81   26.648   1441.9#   162.8#   162.64   -1.777   26.266   33, #81   26.648   1441.9#   163.67   -1.777   26.266   33, #82   26.648   1441.9#   163.67   -1.777   26.269   33, #82   26.648   1441.9#   163.8#   166.69   -1.777   26.269   33, #82   26.648   1441.9#   163.8#   166.67   -1.777   26.269   33, #82   26.648   1441.9#   163.8#   166.73   -1.777   26.272   33, #85   26.651   1441.1   165.8#   167.7#   -1.777   26.272   33, #85   26.651   1441.1   167.8#   167.7#   -1.777   26.272   33, #88   26.651   1441.1   169.8#   171.75   -1.777   26.271   33, #81   26.648   1441.1   173.77   -1.777   26.271   33, #81   26.648   1441.1   173.77   -1.777   26.271   33, #81   26.649   1441.1   173.77   -1.777   26.271   33, #82   26.649   1441.1   173.8#   175.8#   -1.777   26.275   33, #82   26.649   1441.1   175.8#   177.8#   -1.777   26.275   33, #82   26.649   1441.1   175.8#   177.8#   -1.777   26.275   33, #82   26.649   1441.3   179.8#   177.8#   -1.777   26.275   33, #82   26.649   1441.3   179.8#   177.8#   -1.777   26.276   33, #82   26.649   1441.3   179.8#   177.8#   -1.777   26.276   33, #82   26.649   1441.3   179.8#   177.7#   2							
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159. Ø							
166.8         162.66         -1.777         26.267         33.881         26.648         1441.8           161.8         163.67         -1.777         26.266         33.882         26.648         1441.8           162.8         164.69         -1.777         26.269         33.882         26.648         1441.8           163.8         165.69         -1.777         26.269         33.882         26.648         1441.8           165.8         167.78         -1.777         26.269         33.882         26.658         1441.1           165.8         167.78         -1.777         26.272         33.885         26.651         1441.1           166.8         168.73         -1.777         26.272         33.884         26.656         1441.1           167.8         169.73         -1.777         26.272         33.881         26.647         1441.1           168.8         170.77         -1.777         26.271         33.881         26.648         1441.1           169.8         170.77         -1.777         26.271         33.881         26.648         1441.1           178.8         172.74         -1.777         26.277         33.881         26.648         1441.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
161.0 163.67 -1.777 26.266 33.080 26.647 1441.0 162.0 164.69 -1.777 26.268 33.080 26.648 1441.0 163.0 165.69 -1.777 26.269 33.082 26.648 1441.0 166.71 -1.777 26.269 33.082 26.648 1441.1 165.0 166.71 -1.777 26.269 33.081 26.657 1441.1 165.0 167.70 -1.777 26.272 33.085 26.651 1441.1 167.0 169.73 -1.777 26.272 33.084 26.650 1441.1 167.0 169.73 -1.777 26.269 33.080 26.650 1441.1 168.0 170.77 -1.777 26.272 33.080 26.650 1441.1 169.0 177.77 -1.777 26.272 33.080 26.654 1441.1 169.0 177.77 -1.777 26.272 33.080 26.654 1441.1 169.0 177.77 -1.777 26.277 33.089 26.654 1441.1 170.0 173.77 -1.777 26.272 33.089 26.654 1441.1 170.0 173.77 -1.777 26.272 33.089 26.654 1441.1 170.0 173.77 -1.777 26.272 33.089 26.654 1441.2 171.0 173.77 -1.777 26.274 33.082 26.649 1441.2 172.0 174.79 -1.776 26.274 33.082 26.649 1441.2 173.0 175.83 -1.777 26.274 33.082 26.649 1441.2 173.0 175.83 -1.777 26.274 33.082 26.649 1441.2 175.0 178.86 -1.777 26.275 33.082 26.648 1441.2 175.0 178.86 -1.777 26.275 33.082 26.649 1441.2 175.0 178.86 -1.777 26.275 33.082 26.649 1441.3 179.0 181.87 -1.777 26.275 33.082 26.649 1441.3 179.0 181.87 -1.777 26.275 33.082 26.649 1441.3 179.0 181.87 -1.777 26.275 33.082 26.649 1441.3 180.0							
162.Ø       164.69       -1.777       26.268       33.082       26.648       1441.Ø         163.Ø       165.69       -1.777       26.269       33.081       26.648       1441.Ø         164.Ø       166.71       -1.777       26.269       33.081       26.647       1441.1         165.Ø       167.7Ø       -1.777       26.272       33.085       26.651       1441.1         166.Ø       168.73       -1.777       26.259       33.080       26.654       1441.1         168.Ø       170.77       -1.777       26.271       33.080       26.654       1441.1         169.Ø       171.75       -1.777       26.271       33.080       26.654       1441.1         169.Ø       171.75       -1.777       26.271       33.081       26.654       1441.1         169.Ø       171.75       -1.777       26.272       33.081       26.648       1441.1         170.Ø       172.Ø       174.79       -1.777       26.274       33.082       26.648       1441.2         171.Ø       173.77       -1.777       26.274       33.082       26.648       1441.2         172.Ø       174.Ø       175.Ø       175.Ø       33.082							
163.6         165.69         -1.777         26.269         33.082         26.648         1441.0           164.0         166.71         -1.777         26.269         33.081         26.647         1441.1           165.0         167.70         -1.777         26.272         33.085         26.651         1441.1           166.0         168.73         -1.777         26.272         33.080         26.647         1441.1           168.0         170.77         -1.777         26.272         33.080         26.647         1441.1           169.0         171.75         -1.777         26.271         33.080         26.648         1441.1           169.0         171.75         -1.777         26.277         33.080         26.648         1441.1           169.0         171.75         -1.777         26.277         33.081         26.648         1441.2           171.0         173.07         -1.777         26.274         33.082         26.649         1441.2           172.0         174.79         -1.776         26.273         33.082         26.649         1441.2           173.0         175.83         -1.777         26.275         33.082         26.649         1441.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
164.0 166.71 -1.777 26.269 33.081 26.647 1441.1 165.0 167.70 -1.777 26.272 33.085 26.651 1441.1 166.0 168.73 -1.777 26.272 33.085 26.651 1441.1 168.0 169.73 -1.777 26.269 33.080 26.647 1441.1 168.0 170.77 -1.777 26.269 33.080 26.647 1441.1 169.0 171.75 -1.777 26.277 33.081 26.648 1441.1 170.0 171.75 -1.777 26.277 33.081 26.648 1441.1 170.0 172.74 -1.776 26.277 33.089 26.654 1441.1 170.0 172.74 -1.776 26.272 33.081 26.648 1441.1 170.0 173.77 -1.777 26.274 33.083 26.649 1441.2 171.0 173.77 -1.776 26.272 33.083 26.649 1441.2 172.0 174.79 -1.776 26.273 33.082 26.648 1441.2 173.0 175.83 -1.777 26.274 33.082 26.649 1441.2 174.0 176.87 -1.777 26.274 33.082 26.649 1441.2 175.0 177.88 -1.777 26.274 33.082 26.649 1441.2 175.0 177.88 -1.777 26.274 33.082 26.649 1441.2 175.0 178.86 -1.777 26.275 33.082 26.649 1441.2 175.0 178.86 -1.777 26.275 33.082 26.649 1441.3 179.0 181.87 -1.777 26.275 33.082 26.649 1441.3 179.0 181.87 -1.777 26.276 33.082 26.649 1441.3 180.0 182.90 -1.776 26.276 33.082 26.649 1441.3 180.0 182.90 -1.776 26.276 33.082 26.648 1441.3 181.0 183.88 -1.776 26.276 33.082 26.648 1441.3 181.0 183.88 -1.776 26.279 33.082 26.648 1441.3 181.0 183.88 -1.776 26.279 33.082 26.649 1441.4 188.0 189.90 -1.776 26.279 33.082 26.649 1441.4 188.0 189.90 -1.776 26.279 33.082 26.649 1441.4 188.0 189.90 -1.776 26.279 33.082 26.649 1441.4 188.0 189.90 -1.776 26.279 33.082 26.649 1441.4 188.0 189.90 -1.776 26.279 33.082 26.649 1441.4 188.0 189.90 -1.776 26.280 33.083 26.649 1441.4 188.0 189.90 -1.776 26.280 33.083 26.649 1441.4 189.0 199.00 -1.776 26.280 33.083 26.649 1441.5 199.00 199.00 -1.776 26.280 33.088 26.649 1441.5 199.00 199.00 -1.776 26.280 33.088 26.649 1441.5 199.00 199.00 -1.776 26.280 33.088 26.669 1441.5 199.00 199.00 -1.776 26.280 33.088 26.669 1441.5 199.00 199.00 -1.776 26.280 33.088 26.669 1441.5 199.00 199.00 -1.776 26.280 33.088 26.669 1441.5 199.00 199.00 -1.776 26.280 33.088 26.665 1441.5 199.00 199.00 -1.776 26.280 33.088 26.665 1441.5 199.00 199.00 -1.776 26.280 33.088 26.665 1441.5 199.00 199.00 -1.776							1441.0
165.0    167.70    -1.777    26.272    33.085    26.651    1441.1    168.0    168.73    -1.777    26.272    33.0884    26.650    1441.1    167.0    169.73    -1.777    26.269    33.0880    26.647    1441.1    168.0    170.77    -1.777    26.271    33.081    26.648    1441.1    169.0    171.75    -1.777    26.271    33.081    26.6648    1441.1    170.0    172.74    -1.776    26.272    33.089    26.654    1441.2    171.0    173.77    -1.777    26.274    33.083    26.649    1441.2    171.0    173.77    -1.777    26.274    33.083    26.649    1441.2    172.0    174.79    -1.776    26.273    33.082    26.649    1441.2    174.0    176.87    -1.777    26.274    33.082    26.649    1441.2    174.0    176.87    -1.777    26.274    33.082    26.649    1441.2    175.0    177.88    -1.777    26.274    33.082    26.649    1441.2    175.0    177.88    -1.777    26.275    33.082    26.649    1441.3    177.0    179.89    -1.777    26.275    33.082    26.649    1441.3    177.0    179.89    -1.777    26.275    33.082    26.649    1441.3    178.0    180.88    -1.777    26.276    33.082    26.648    1441.3    180.0    182.90    -1.776    26.276    33.082    26.648    1441.3    181.0    183.88    -1.776    26.277    33.082    26.648    1441.3    181.0    183.88    -1.776    26.277    33.082    26.649    1441.4    184.0    185.95    -1.776    26.279    33.082    26.649    1441.4    184.0    185.0    187.99    -1.776    26.279    33.083    26.649    1441.4    185.0    187.99    -1.776    26.280    33.083    26.649    1441.4    186.0    189.02    -1.777    26.280    33.083    26.649    1441.4    185.0    189.02    -1.776    26.282    33.085    26.650    1441.5    189.00    193.04    -1.776    26.282    33.085    26.650    1441.5    199.00    193.04    -1.776    26.282    33.085    26.652    1441.5    199.00    193.04    -1.776    26.282    33.086    26.652    1441.5    199.00    193.04    -1.776    26.285    33.086    26.655    1441.5    199.00    195.00    -1.775    26.285    33.086    26.654    1441.5    199.00    199.00    1776							1441.1
166.0       168.73       -1.777       26.272       33.084       26.650       1441.1         167.0       169.73       -1.777       26.269       33.080       26.647       1441.1         168.0       170.77       -1.777       26.271       33.089       26.654       1441.1         169.0       171.75       -1.776       26.277       33.089       26.654       1441.1         170.0       172.74       -1.776       26.274       33.089       26.649       1441.2         171.0       173.77       -1.777       26.274       33.082       26.649       1441.2         172.0       174.79       -1.776       26.274       33.082       26.649       1441.2         173.0       175.83       -1.777       26.274       33.082       26.649       1441.2         174.0       176.87       -1.777       26.274       33.082       26.649       1441.2         175.0       177.88       -1.777       26.274       33.082       26.648       1441.2         175.0       178.86       -1.777       26.275       33.082       26.648       1441.3         177.0       179.89       -1.777       26.275       33.082       26.649							
167.0 169.73 -1.777 26.269 33.080 26.647 1441.1 168.0 170.77 -1.777 26.277 33.081 26.648 1441.1 170.0 171.75 -1.777 26.277 33.089 26.654 1441.1 170.0 172.74 -1.776 26.272 33.081 26.648 1441.2 171.0 173.77 -1.777 26.274 33.083 26.649 1441.2 171.0 173.77 -1.776 26.274 33.083 26.649 1441.2 173.0 174.79 -1.776 26.273 33.082 26.649 1441.2 173.0 175.83 -1.777 26.274 33.082 26.649 1441.2 174.0 176.87 -1.777 26.274 33.082 26.649 1441.2 175.0 177.88 -1.777 26.274 33.082 26.649 1441.2 175.0 177.88 -1.777 26.274 33.082 26.649 1441.2 175.0 177.88 -1.777 26.274 33.082 26.649 1441.2 175.0 177.89 -1.777 26.275 33.082 26.649 1441.3 177.0 180.88 -1.777 26.275 33.082 26.649 1441.3 179.0 181.87 -1.777 26.276 33.082 26.649 1441.3 179.0 181.87 -1.777 26.276 33.082 26.648 1441.3 180.0 182.90 -1.776 26.276 33.082 26.648 1441.3 180.0 182.90 -1.776 26.277 33.082 26.648 1441.3 181.0 183.88 -1.776 26.277 33.082 26.648 1441.3 181.0 183.88 -1.776 26.277 33.082 26.648 1441.3 182.0 184.92 -1.776 26.277 33.082 26.648 1441.4 183.0 185.95 -1.776 26.277 33.082 26.648 1441.4 183.0 185.95 -1.776 26.279 33.083 26.649 1441.4 186.0 189.0 -1.776 26.279 33.083 26.649 1441.4 186.0 189.0 -1.776 26.280 33.083 26.649 1441.4 186.0 189.0 -1.777 26.282 33.083 26.649 1441.4 186.0 189.0 -1.776 26.282 33.083 26.649 1441.4 186.0 199.0 -1.776 26.282 33.083 26.649 1441.4 186.0 199.0 -1.776 26.282 33.083 26.649 1441.4 186.0 199.0 -1.776 26.282 33.084 26.650 1441.5 199.0 193.0 -1.776 26.282 33.084 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.650 1441.5 199.0 193.0 -1.776 26.282 33.086 26.652 1441.5 199.0							1441.1
168.0       170.77       -1.777       26.271       33.081       26.648       1441.1         169.0       171.75       -1.777       26.277       33.089       26.654       1441.1         170.0       172.74       -1.776       26.272       33.081       26.648       1441.2         171.0       173.77       -1.777       26.274       33.082       26.649       1441.2         172.0       174.79       -1.777       26.274       33.082       26.649       1441.2         173.0       175.83       -1.777       26.274       33.082       26.649       1441.2         175.0       177.88       -1.777       26.275       33.082       26.649       1441.2         175.0       177.88       -1.777       26.275       33.082       26.648       1441.2         175.0       178.86       -1.777       26.275       33.082       26.648       1441.2         175.0       179.89       -1.777       26.275       33.082       26.648       1441.3         179.0       179.89       -1.777       26.275       33.082       26.648       1441.3         179.0       180.88       -1.777       26.276       33.082       26.648							
169.8       171.75       -1.777       26.277       33.089       26.654       1441.1         170.8       172.74       -1.776       26.272       33.0883       26.648       1441.2         171.8       173.77       -1.777       26.274       33.0883       26.648       1441.2         173.8       175.83       -1.777       26.274       33.0882       26.649       1441.2         174.8       176.87       -1.777       26.274       33.0882       26.649       1441.2         175.8       177.88       -1.777       26.275       33.0882       26.648       1441.2         175.8       177.88       -1.777       26.275       33.0882       26.648       1441.2         175.8       177.88       -1.777       26.275       33.0882       26.648       1441.3         176.9       178.86       -1.777       26.275       33.0882       26.649       1441.3         179.8       188.88       -1.777       26.275       33.0882       26.649       1441.3         179.9       181.87       -1.777       26.276       33.082       26.648       1441.3         180.9       182.99       -1.776       26.277       33.082       26.64						26.648	1441.1
170.8					33.089	26.654	
171.0 173.77 -1.777 26.274 33.083 26.649 1441.2 172.0 174.79 -1.776 26.273 33.082 26.648 1441.2 173.0 175.83 -1.777 26.274 33.082 26.649 1441.2 174.0 176.87 -1.777 26.274 33.082 26.649 1441.2 175.0 177.88 -1.777 26.274 33.082 26.649 1441.2 175.0 178.86 -1.777 26.275 33.082 26.648 1441.2 176.0 178.86 -1.777 26.275 33.082 26.648 1441.3 177.0 179.89 -1.777 26.275 33.082 26.648 1441.3 179.0 188.88 -1.777 26.276 33.082 26.649 1441.3 179.0 181.87 -1.777 26.276 33.082 26.649 1441.3 180.0 183.88 -1.776 26.276 33.082 26.648 1441.3 180.0 183.88 -1.776 26.276 33.082 26.648 1441.3 181.0 183.88 -1.776 26.277 33.082 26.648 1441.3 182.0 184.92 -1.776 26.277 33.082 26.648 1441.3 183.0 185.95 -1.776 26.277 33.082 26.648 1441.4 185.0 185.95 -1.776 26.279 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 187.99 -1.777 26.280 33.083 26.649 1441.4 185.0 189.0 -1.777 26.280 33.083 26.649 1441.5 189.0 193.04 -1.776 26.280 33.083 26.650 1441.5 199.0 193.04 -1.776 26.282 33.086 26.650 1441.5 199.0 193.04 -1.776 26.282 33.086 26.650 1441.5 199.0 193.04 -1.776 26.282 33.086 26.652 1441.5 199.0 193.04 -1.776 26.282 33.086 26.652 1441.5 199.0 193.04 -1.776 26.282 33.086 26.652 1441.5 199.0 193.04 -1.776 26.282 33.086 26.652 1441.5 199.0 195.03 -1.776 26.282 33.086 26.652 1441.5 199.0 195.03 -1.776 26.282 33.086 26.652 1441.5 199.0 195.03 -1.776 26.282 33.086 26.652 1441.5 199.0 195.03 -1.776 26.282 33.086 26.652 1441.5 199.0 195.03 -1.776 26.282 33.086 26.652 1441.5 199.0 195.00 195.00 -1.776 26.282 33.086 26.652 1441.5 199.0 195.00 195.00 -1.776 26.289 33.088 26.653 1441.6 199.0 195.00 1	170.0		-1.776	26.272	33.081	26.648	1441.2
172.0       174.79       -1.776       26.273       33.082       26.648       1441.2         173.0       175.83       -1.777       26.274       33.082       26.649       1441.2         174.0       176.87       -1.777       26.275       33.082       26.648       1441.2         175.0       177.88       -1.777       26.274       33.082       26.648       1441.2         176.0       178.86       -1.777       26.275       33.082       26.648       1441.3         177.0       179.89       -1.777       26.275       33.082       26.648       1441.3         178.0       180.88       -1.777       26.276       33.082       26.648       1441.3         179.0       181.87       -1.777       26.276       33.082       26.648       1441.3         180.0       182.90       -1.776       26.276       33.082       26.648       1441.3         181.0       183.88       -1.776       26.277       33.082       26.648       1441.3         181.0       183.98       -1.776       26.280       33.082       26.648       1441.3         182.0       184.92       -1.776       26.280       33.082       26.649		173.77	-1.777	26.274	33.083	26.649	1441.2
173.0       175.83       -1.777       26.274       33.082       26.649       1441.2         174.0       176.87       -1.777       26.275       33.0844       26.650       1441.2         175.0       177.88       -1.777       26.274       33.082       26.648       1441.2         176.0       178.86       -1.777       26.275       33.082       26.649       1441.3         177.0       179.89       -1.777       26.275       33.082       26.648       1441.3         178.0       180.88       -1.777       26.276       33.082       26.649       1441.3         179.0       181.87       -1.777       26.276       33.082       26.649       1441.3         180.0       182.90       -1.776       26.276       33.082       26.648       1441.3         180.0       182.90       -1.776       26.277       33.082       26.648       1441.3         181.0       183.88       -1.776       26.280       33.082       26.648       1441.3         182.0       184.92       -1.776       26.280       33.082       26.648       1441.4         183.0       185.95       -1.776       26.279       33.082       26.649		174.79	-1.776	26.273	33.082	26.648	1441.2
174.0 176.87	173.0	175.83	-1.777	26.274	33.082	26.649	
176.Ø       178.86       -1.777       26.275       33.Ø82       26.649       1441.3         177.Ø       179.89       -1.777       26.275       33.Ø82       26.648       1441.3         178.Ø       18Ø.88       -1.777       26.276       33.Ø83       26.649       1441.3         179.Ø       181.87       -1.777       26.276       33.Ø82       26.648       1441.3         18Ø.Ø       182.9Ø       -1.776       26.277       33.Ø82       26.648       1441.3         181.Ø       183.88       -1.776       26.277       33.Ø82       26.648       1441.3         182.Ø       184.92       -1.776       26.277       33.Ø82       26.648       1441.3         182.Ø       185.95       -1.776       26.279       33.Ø83       26.649       1441.4         183.Ø       186.99       -1.776       26.279       33.Ø83       26.649       1441.4         185.Ø       187.99       -1.777       26.28Ø       33.Ø83       26.649       1441.4         186.Ø       189.Ø2       -1.777       26.28Ø       33.Ø83       26.649       1441.4         188.Ø       191.Ø2       -1.777       26.282       33.Ø85       26.65Ø	174.0	176.87		26.275	33.084	26.650	1441.2
176.0       178.86       -1.777       26.275       33.082       26.649       1441.3         177.0       179.89       -1.777       26.275       33.082       26.648       1441.3         178.0       180.88       -1.777       26.276       33.083       26.649       1441.3         179.0       181.87       -1.777       26.276       33.082       26.648       1441.3         180.0       182.90       -1.776       26.277       33.082       26.648       1441.3         181.0       183.88       -1.776       26.280       33.086       26.651       1441.3         182.0       184.92       -1.776       26.280       33.082       26.648       1441.4         183.0       185.95       -1.776       26.277       33.082       26.649       1441.4         184.0       186.99       -1.776       26.279       33.082       26.649       1441.4         185.0       187.99       -1.777       26.280       33.083       26.649       1441.4         186.0       189.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.282       33.086       26.650	175.0	177.88	-1.777	26.274	33.082	26.648	1441.2
178.0       180.88       -1.777       26.276       33.083       26.649       1441.3         179.0       181.87       -1.777       26.276       33.082       26.648       1441.3         180.0       182.90       -1.776       26.277       33.082       26.648       1441.3         181.0       183.88       -1.776       26.280       33.086       26.651       1441.3         182.0       184.92       -1.776       26.277       33.082       26.648       1441.4         183.0       185.95       -1.776       26.279       33.082       26.649       1441.4         184.0       186.99       -1.776       26.279       33.083       26.649       1441.4         185.0       187.99       -1.777       26.280       33.083       26.649       1441.4         186.0       189.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.280       33.085       26.649       1441.4         189.0       192.03       -1.776       26.282       33.085       26.650       1441.5         190.0       193.04       -1.776       26.282       33.084       26.652	176.0	178.86	-1.777	26.275	33.082	26.649	
179.0       181.87       -1.777       26.276       33.082       26.648       1441.3         180.0       182.90       -1.776       26.277       33.082       26.648       1441.3         181.0       183.88       -1.776       26.280       33.086       26.651       1441.3         182.0       184.92       -1.776       26.277       33.082       26.648       1441.4         183.0       185.95       -1.776       26.279       33.083       26.649       1441.4         184.0       186.99       -1.776       26.279       33.082       26.648       1441.4         185.0       187.99       -1.777       26.280       33.083       26.649       1441.4         185.0       189.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.280       33.085       26.649       1441.4         188.0       191.02       -1.777       26.282       33.085       26.650       1441.5         189.0       192.03       -1.776       26.282       33.086       26.650       1441.5         190.0       193.04       -1.776       26.284       33.086       26.652	177.Ø	179.89	-1.777	26.275	33.082	26.648	
18Ø.Ø       182.9Ø       -1.776       26.277       33.Ø82       26.648       1441.3         181.Ø       183.88       -1.776       26.28Ø       33.Ø86       26.651       1441.3         182.Ø       184.92       -1.776       26.277       33.Ø82       26.648       1441.4         183.Ø       185.95       -1.776       26.279       33.Ø83       26.649       1441.4         184.Ø       186.99       -1.776       26.28Ø       33.Ø83       26.649       1441.4         185.Ø       187.99       -1.777       26.28Ø       33.Ø83       26.649       1441.4         186.Ø       189.Ø2       -1.777       26.28Ø       33.Ø83       26.649       1441.4         188.Ø       191.Ø2       -1.777       26.28Ø       33.Ø83       26.649       1441.4         188.Ø       191.Ø2       -1.777       26.28Ø       33.Ø85       26.65Ø       1441.5         189.Ø       192.Ø3       -1.776       26.28Ø       33.Ø85       26.65Ø       1441.5         19Ø.Ø       193.Ø4       -1.776       26.284       33.Ø86       26.65Ø       1441.5         192.Ø       195.Ø3       -1.775       26.287       33.Ø86       26.652	178.0	180.88	-1.777	26.276	33.083	26.649	
181.0       183.88       -1.776       26.280       33.086       26.651       1441.3         182.0       184.92       -1.776       26.277       33.082       26.648       1441.4         183.0       185.95       -1.776       26.279       33.083       26.649       1441.4         184.0       186.99       -1.776       26.279       33.082       26.648       1441.4         185.0       187.99       -1.777       26.280       33.083       26.649       1441.4         186.0       189.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.280       33.085       26.649       1441.4         189.0       191.02       -1.777       26.282       33.085       26.650       1441.5         189.0       192.03       -1.776       26.282       33.084       26.650       1441.5         190.0       193.04       -1.776       26.284       33.086       26.652       1441.5         191.0       195.03       -1.775       26.285       33.086       26.652       1441.5         193.0       195.05       -1.773       26.287       33.088       26.652	179.Ø	181.87	-1.777		33.082		
182.0       184.92       -1.776       26.277       33.082       26.648       1441.4         183.0       185.95       -1.776       26.279       33.083       26.649       1441.4         184.0       186.99       -1.776       26.279       33.082       26.648       1441.4         185.0       187.99       -1.777       26.280       33.083       26.649       1441.4         186.0       189.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.280       33.083       26.649       1441.4         189.0       192.03       -1.776       26.282       33.085       26.650       1441.5         190.0       193.04       -1.776       26.284       33.086       26.650       1441.5         191.0       194.01       -1.776       26.285       33.086       26.652       1441.5         192.0       195.03       -1.775       26.287       33.086       26.652       1441.5         193.0       196.05       -1.773       26.289       33.089       26.652	180.0	182.90	-1.776	26.277	33.082	26.648	
183.0       185.95       -1.776       26.279       33.083       26.649       1441.4         184.0       186.99       -1.776       26.279       33.082       26.648       1441.4         185.0       187.99       -1.777       26.280       33.083       26.649       1441.4         186.0       189.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.282       33.085       26.650       1441.5         189.0       192.03       -1.776       26.282       33.084       26.650       1441.5         190.0       193.04       -1.776       26.284       33.086       26.652       1441.5         191.0       194.01       -1.776       26.285       33.086       26.652       1441.5         192.0       195.03       -1.775       26.287       33.086       26.652       1441.5         193.0       196.05       -1.773       26.289       33.088       26.652       1441.5         194.0       197.05       -1.766       26.297       33.089       26.654	181.0	183.88	-1.776	26.280	33.086		
184.0     186.99     -1.776     26.279     33.082     26.648     1441.4       185.0     187.99     -1.777     26.280     33.083     26.649     1441.4       186.0     189.02     -1.777     26.280     33.083     26.649     1441.4       187.0     189.98     -1.777     26.280     33.083     26.649     1441.4       188.0     191.02     -1.777     26.282     33.085     26.650     1441.5       189.0     192.03     -1.776     26.282     33.086     26.650     1441.5       190.0     193.04     -1.776     26.284     33.086     26.652     1441.5       192.0     195.03     -1.775     26.285     33.086     26.652     1441.5       192.0     195.03     -1.775     26.287     33.087     26.652     1441.5       193.0     196.05     -1.773     26.289     33.088     26.653     1441.6       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7	182.0	184.92	-1.776	26.277	33.082		
185.0     187.99     -1.777     26.280     33.083     26.649     1441.4       186.0     189.02     -1.777     -1.777     -1.777     187.0     189.98     -1.777     26.280     33.083     26.649     1441.4       188.0     191.02     -1.777     26.282     33.085     26.650     1441.5       189.0     192.03     -1.776     26.282     33.084     26.650     1441.5       190.0     193.04     -1.776     26.284     33.086     26.652     1441.5       191.0     194.01     -1.776     26.285     33.086     26.652     1441.5       192.0     195.03     -1.775     26.287     33.087     26.652     1441.5       193.0     196.05     -1.773     26.289     33.088     26.652     1441.5       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7	183.0	185.95	-1.776				
186.0       189.02       -1.777         187.0       189.98       -1.777       26.280       33.083       26.649       1441.4         188.0       191.02       -1.777       26.282       33.085       26.650       1441.5         189.0       192.03       -1.776       26.282       33.084       26.650       1441.5         190.0       193.04       -1.776       26.284       33.086       26.652       1441.5         191.0       194.01       -1.776       26.285       33.086       26.652       1441.5         192.0       195.03       -1.775       26.287       33.087       26.652       1441.5         193.0       196.05       -1.773       26.289       33.088       26.652       1441.5         194.0       197.05       -1.766       26.297       33.089       26.654       1441.6         195.0       198.10       -1.762       26.300       33.089       26.654       1441.7	184.0	186.99	-1.776	26.279			
187.0     189.98     -1.777     26.280     33.083     26.649     1441.4       188.0     191.02     -1.777     26.282     33.085     26.650     1441.5       189.0     192.03     -1.776     26.282     33.084     26.650     1441.5       190.0     193.04     -1.776     26.284     33.086     26.652     1441.5       191.0     194.01     -1.776     26.285     33.066     26.652     1441.5       192.0     195.03     -1.775     26.287     33.087     26.652     1441.5       193.0     196.05     -1.773     26.289     33.088     26.653     1441.6       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7	185.0	187.99	-1.777	26.280	33.083	26.649	1441.4
188.ø     191.ø2     -1.777     26.282     33.ø85     26.65ø     1441.5       189.ø     192.ø3     -1.776     26.282     33.ø84     26.65ø     1441.5       19ø.ø     193.ø4     -1.776     26.284     33.ø86     26.652     1441.5       191.ø     194.ø1     -1.776     26.285     33.ø86     26.652     1441.5       192.ø     195.ø3     -1.775     26.287     33.ø87     26.652     1441.5       193.ø     196.ø5     -1.773     26.289     33.ø88     26.653     1441.6       194.ø     197.ø5     -1.766     26.297     33.ø89     26.654     1441.6       195.ø     198.lø     -1.762     26.3øø     33.ø89     26.654     1441.7	186.0	189.02	-1.777				
189.0     192.03     -1.776     26.282     33.084     26.650     1441.5       190.0     193.04     -1.776     26.284     33.086     26.652     1441.5       191.0     194.01     -1.776     26.285     33.086     26.652     1441.5       192.0     195.03     -1.775     26.287     33.087     26.652     1441.5       193.0     196.05     -1.773     26.289     33.088     26.653     1441.6       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7	187.0	189.98	-1.777				
190.8     193.84     -1.776     26.284     33.886     26.652     1441.5       191.8     194.81     -1.776     26.285     33.886     26.652     1441.5       192.8     195.83     -1.775     26.287     33.887     26.652     1441.5       193.8     196.85     -1.773     26.289     33.888     26.653     1441.6       194.8     197.85     -1.766     26.297     33.889     26.654     1441.6       195.8     198.18     -1.762     26.388     33.889     26.654     1441.7	188.0	191.02					
191.0     194.01     -1.776     26.285     33.086     26.652     1441.5       192.0     195.03     -1.775     26.287     33.087     26.652     1441.5       193.0     196.05     -1.773     26.289     33.088     26.653     1441.6       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7	189.0		-1.776				
191.0     194.01     -1.776     26.285     33.066     26.652     1441.5       192.0     195.03     -1.775     26.287     33.067     26.652     1441.5       193.0     196.05     -1.773     26.289     33.088     26.653     1441.6       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7							
193.0     196.05     -1.773     26.289     33.088     26.653     1441.6       194.0     197.05     -1.766     26.297     33.089     26.654     1441.6       195.0     198.10     -1.762     26.300     33.089     26.654     1441.7	191.0						
194.0 197.05 -1.766 26.297 33.089 26.654 1441.6 195.0 198.10 -1.762 26.300 33.089 26.654 1441.7	192.0	195.03	-1.775				
195.0 198.10 -1.762 26.300 33.089 26.654 1441.7	193.Ø	196.05					
13010	194.0						
196.0 199.11 -1.762 26.303 33.092 26.656 1441.7							
	196.0	199.11	-1.762	26.303	33.192	20.000	1441./

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
197.0	200.10	-1.757	26.307	33.092	26.656	1441.7
198.0	201.14	-1.756	26.308	33.092	26.656	1441.7
199.0	202.14	-1.757	26.307	33.091	26.655	1441.7
200.0	203.14	-1.755	26.309	33.091	26.655	1441.8
201.0	204.18	-1.755	26.310	33.092	26.656	1441.8
202.0	205.21	-1.755	26.314	33.097	26.660	1441.8
203.0	206.20	-1.752	26.313	33.091	26.655	1441.8
204.0	207.20	-1.750	26.315	33.093	26.656	1441.9
205.Ø	208.21	-1.748	26.317	33.092	26.656	1441.9
206.0	209.22	-1.746	26.321	33.094	26.658	1441.9
207.0	210.27	-1.747	26.321	33.094	26.658	1441.9
208.0	211.25	-1.747	26.323	33.098	26.66Ø	1441.9
209.0	212.26	-1.747	26.324	33.098	26.660	1442.8
210.0	213.29	-1.746	26.322	33.093 33.097	26.657 26.66Ø	1442.0
211.0	21 <b>4.28</b> 21 <b>5.27</b>	-1.746 -1.747	26.323	33.095	26.658	1442.0
213.0	216.32	-1.749	26.322	33.095	26.659	1442.0
214.0	217.30	-1.750	26.322	33.095	26.658	1442.0
215.0	218.30	-1.747	26.326	33.097	26.660	1442.1
216.0	219.35	-1.746	26.326	33.094	26.658	1442.1
217.0	220.32	-1.745	26.327	33.095	26.658	1442.1
218.0	221.33	-1.745	26.328	33.096	26.659	1442.1
219.0	222.36	-1.745	26.328	33.096	26.659	1442.1
220.0	223.38	-1.745	26.329	33.095	26.658	1442.2
221.0	224.39	-1.746	26.331	33.099	26.661	1442.2
222.0	225.42	-1.748	26.327	33.096	26.659	1442.2
223.Ø	226.44	-1.750	26.326	33.096	26.659	1442.2
224.0	227.45	-1.750	26.328	33.097	26.660	1442.2
225.Ø	228.45	-1.751	26.329	33.100	26.662	1442.2
226.0	229.47	-1.75Ø	26.331	33.100	26.662	1442.2
227.0	230.44	-1.75Ø -1.745	26.328	33.Ø95 33.Ø95	26.659 26.658	1442.2
228.Ø 229.Ø	231.43	-1.741	26.337	33.098	26.660	1442.3
230.0	233.47	-1.742	26.337	33.098	26.661	1442.3
231.0	234.50	-1.742	26.337	33.098	26.660	1442.4
232.0	235.55	-1.742	26.339	33.099	26.661	1442.4
233.0	236.54	-1.741	26.339	33.098	26.660	1442.4
234.0	237.52	-1.740	26.341	33.099	26.661	1442.4
235.0	238.52	-1.741	26.341	33.099	26.661	1442.4
236.0	239.52	-1.741	26.342	33.099	26.661	1442.4
237.0	240.52	-1.740	26.342	33.099	26.662	1442.5
238.0	241.55	-1.740	26.344	33.101	26.663	1442.5
239.0	242.55	-1.740	26.345	33.100	26.662	1442.5
240.0	243.58	-1.74Ø -1.739	26.346	33.102	26.664	1442.5
241.0	244.61 245.58	4 707	26.349	33.103	26.665	1442.5
243.0	246.60	-1.737 -1.737	26.349 26.348	33.102 33.100	26.664	1442.6
244.0	247.59	-1.735	26.351	33.100	26.662	1442.6
245.0	248.60	-1.734	26.353	33.102	26.663	1442.6
246.0	249.60	-1.733	26.354	33.102	26.663	1442.7
247.0	250.67	-1.733	26.356	33.103	26.664	1442.7
248.0	251.62	-1.729	26.358	33.103	26.664	1442.7
249.0	252.67	-1.728	26.362	33.106	26.666	1442.7
250.0	253.67	-1.728	26.362	33.104	26.665	1442.7
251.0	254.69	-1.727	26.363	33.105	26.666	1442.8
252.0	255.68	-1.726	26.366	33.107	26.668	1442.8
253.0	256.71	-1.723	26.367	33.104	26.665	1442.8
254.0	257.71	-1.723	26.368	33.105	26.666	1442.8
255.Ø 256.Ø	258.75 259.76	-1.721 -1.716	26.372	33.108	26.668	1442.9
257.0	260.77	-1.716	26.376 26.376	33.108 33.109	26.668 26.669	1442.9
258.0	261.78	-1.717	26.376	33.109	26.668	1442.9
259.0	262.82	-1.713	26.381	33.109	26.669	1443.0
260.0	263.81	-1.715	26.380	33.109	26.669	1443.0
261.0	264.80	-1.710	25.386	33.111	26.671	1443.8
262.6	265.81	-1.709	26.389	33.114	26.673	1443.1
263.Ø	266.83	-1.708	26.388	33.111	26.670	1443.1

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
264.0	267.85	-1.708	26.389	33.111	26.671	1443.1
265.0	268.86	-1.708	26.389	33.111	26.671	1443.1
266.0	269.85	-1.708	26.390	33.111	26.670	1443.1
267.Ø	270.83	-1.708	26.390	33.112	26.671	1443.1
268.0	271.85	-1.707	26.392	33.112	26.672	1443.2
269.0	272.84	-1.707	26.391	33.111	26.670	1443.2
270.0	273.67	-1.707	26.392	33.111	26.670	1443.2



CROZIER STRAIT-77 SITE C(6)B EXPERIMENT 3027 CRUISE 15-77-021 G.M.T. Ø839 LAT.N. 75-29-49 LONG.W. 97-02-56 DATE Ø4Ø477 U.T.M. ZONE 14 8379694 N DEPTH INCR 1.00 WATER DEPTH 271 M 554524 E SIGMAT SOUND DEPTH PRESSURE TEMP COND SALINITY (M/SEC) (DEG.C) ( OHMM ) (0/00) (DBARS) (M) -1.798 26.038 32.881 26.486 1438.0 2.0 2.47 -1.798 32.878 26.484 1438.0 26.037 3.0 3.51 -1.798 32.879 26.484 1438.0 4.0 4.49 26.037 -1.798 26.039 32.880 26.485 1438.0 5.51 5.0 1438.0 6.0 -1.798 26.039 32.880 26.485 6.53 -1.798 26.041 32.882 26.486 1438.1 7.0 7.52 -1.798 26.041 32.881 26.486 1438.1 8.57 8.0 32.896 26.051 26.498 1438.1 9.0 9.56 -1.799 10.57 -1.800 26.057 26.504 1438.1 10.0 32.910 1438.2 26.061 26.509 11.58 -1.800 11.0 32.920 26.517 1438.2 12.59 -1.801 26.068 12.0 32.926 1438.2 -1.802 26.072 26.522 13.0 13.60 32.938 26.075 1438.2 26.526 -1.803 14.0 14.65 32.936 1438.2 15.0 15.62 -1.803 26.079 26.531 32.938 26.532 1438.3 26.081 -1.804 16.0 16.59 1438.3 26.082 32.940 26.534 17.0 17.65 -1.804 32.946 1438.3 26.086 26.539 18.66 -1.804 18.0 32.950 26.541 1438.3 19.68 -1.804 25.090 19.0 32.960 1438.4 26.550 -1.804 26.098 20.0 20.67 26.558 1438.4 26.106 32.970 -1.803 21.0 21.71 1438.4 26.109 32.973 26.561 22.0 22.72 -1.803 32.975 1438.4 26.562 23.0 23.76 -1.803 26.111 1438.5 32.976 26.563 -1.802 26.112 24.76 24.0 32.977 26.564 1438.5 25.77 -1.803 26.113 25.Ø 26.78 32.979 26.565 1438.5 -1.803 26.115 26.0 32.983 1438.5 27.78 26.568 -1.803 26.118 27.8 26.570 1438.5 -1.803 26.120 32.985 28.0 28.78 26.568 1438.5 32.982 29.80 -1.803 26.119 29.0 32.983 26.569 1438.6 30.79 -1.803 26.120 30.0 1438.6 32.984 26.569 -1.803 26.121 31.81 31.0 1438.6 26.570 32.985 32.87 -1.802 26.122 32.0 1438.6 -1.802 32.986 26.571 33.81 26.124 33.0 26.570 1438.6 32.985 34.0 -1.802 26.124 34.87 35.89 32.992 26.576 1438.7 -1.801 26.129 35.Ø 26.577 1438.7 -1.801 26.131 32.994 36.0 36.89 26.578 1438.7 32.994 37.90 -1.801 26.132 37.0 32.997 26.579 1438.7 38.92 -1.801 26.134 38.0 1438.8 33.008 26.588 26.144 39.95 -1.800 39.0 1438.8 33.007 26.588 40.94 -1.799 26.143 40.0 33.008 1438.8 26.589 -1.799 26.145 41.0 42.01 -1.799 33.008 26.589 1438.8 26.146 42.94 42.0 26.589 1438.8 44.Ø3 45.Ø2 -1.798 33.008 43.0 26.147 1438.9 26.152 33.015 26.594 -1.798 44.0 26.595 1438.9 -1.797 26.154 46.84 33.016 45.Ø 26.593 1438.9 33.013 47.06 -1.797 26.153 46.0 26.596 1438.9 33.Ø17 -1.797 26.156 48.04 47.0 26.595 1438.9 33.016 26.156 48.0 49.07 -1.7971439.0 26.596 -1.797 26.157 33.017 49.0 50.08 33.016 26.595 1439.0 *3*−1.797 50.0 26.156 51.10 1439.0 26.597 33.018 -1.797 26.159 52.17 51.0 1439.0 33.019 26.598 -1.797 26.159 53.12 52.0 33.019 26.598 1439.0 26.160 -1.797 53.Ø 54.14 33.021 26.600 1439.0 -1.796 26.163 55.18 54.0 1439.1 33.020 26.599 -1.796 26.163 56.19 55.0 33.020 26.599 1439.1

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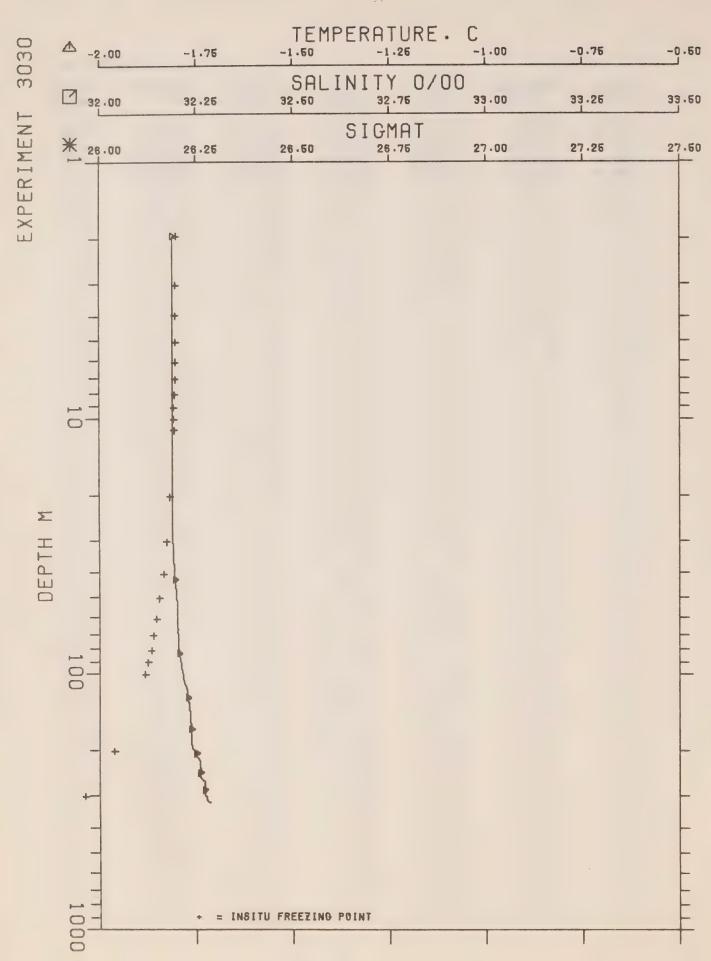
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(Ø/ØØ)		(M/SEC)
( P) /	(DDAKO)					
64.0	65.39	-1.789	26.180	33.031	26.607	1439.3
65.0	66.37	-1.789	26.179	33.030	26.606	1439.3
66.Ø	67.33	-1.797	26.179	33.037	26.612	1439.3
67.8	68.36	-1.797	26.183	33.043	26.617	1439.3
68.0	69.40	-1.795	26.187	33.046	26.619	1439.3
69.0	70.37	-1.793	26.191	33.048	26.621	1439.4
70.0	71.39	-1.789	26.197	33.052	26.624	1439.4
71.0	72.43	-1.787	26.202	33.056	26.627	1439.4
72.0	73.45	-1.782	26.208	33.058	26.629	1439.5
73.0	74.42	-1.780	26.212	33.060	26.630	1439.5
74.0	75.43	-1.778	26.214	33.061	26.631	1439.5
75.0	76.45	-1.776	26.218	33.063	26.633	1439.6
76.8	77.49	-1.775	26.220	33.065	26.634	1439.6
77.0	78.50	-1.775	26.222	33.067	26.636	1439.6
78.0	79.49	-1.775	26.222	33.067	26.636	1439.6
79.0	80.52	-1.775	26.222	33.066	26.635	1439.6
80.0	81.55	-1.776	26.224	33.068	26.637	1439.6
81.0	82.58	-1.776	26.227	33.072	26.640	1439.7
82.0	83.54	-1.776	26.225	33.069	26.638	1439.7
83.0	84.60	-1.776	26.226	33.069	26.638	1439.7
84.0	85. <b>6</b> 3	-1.775	26.227	33.070	26.639	1439.7
85.0	86.63	-1.776	26.228	33.071	26.640	1439.7
86.0	87.64	-1.776	26.23Ø	33.072	26.641	1439.8
87.0	88.67	-1.776	26.227	33.069	26.638	1439.8
88.0	89.63	-1.776	26.227	33.068	26.637	1439.8
89.0	90.65	-1.776	26.228	33.069	26.638	1439.8
90.0	91.71	-1.776	26.229	33.069	26.638	1439.8
91.0	92.73	-1.776	26.234	33.076	26.643	1439.8
92.0	93.70	-1.776	26.234	33.075	26.643	1439.9
93.0	94.70	-1.777	26.239	33.082	26.648	1439.9
94.0	95.73	-1.776	26.236	33.077	26.644	1439.9
	96.74	-1.777	26.236	33.077	26.644	1439.9
95.Ø 96.Ø	97.80	-1.777	26.235	33.075	26.643	1439.9
97.0	98.82	-1.777	26.238	33.078	26.645	1439.9
98.0	99.80	-1.777	26.236	33.075	26.643	1440.0
99.0	100.80	-1.777	26.238	33.078	26.645	1440.0
100.0	101.81	-1.777	26.240	33.079	26.646	1440.0
101.0	102.85	-1.776	26.242	33.081	26.648	1440.0
102.0	103.85	-1.776	26.242	33.Ø81	26.648	1440.0
103.0	104.90	-1.777	26.235	33.071	26.640	1440.0
104.0	105.87	-1.777	26.236	33.072	26.641	1440.0
105.0	106.88	-1.777	26.237	33.072	26.640	1440.1
106.0	107.90	-1.777	26.238	33.073	26.641	1440.1
107.0	108.93	-1.777	26.238	33.072	26.640	1440.1
108.0	109.93	-1.777	26.238	33-072	26.640	1440.1
109.0	110.96	-1.778	26.239	33.074	26.642	1440.1
110.0	111.99	-1.778	26.248	33.074	26.642	1448.1
111.0	112.99	-1.778	26.241	33.076	26.644	1440.2
112.0	113.98	-1.779	26.240	33.074	26.642	1440.2
113.0	115.04	-1.778	26.241	33.075	26.643	1440.2
114.0	116.08	-1.777	26.244	33.077	26.644	1440.2
115.0	117.07	-1.776	26.244	33.075	26.643	1440.2
116.0	118.02	-1.775	26.247	33.077	26.644	1440.3
117.0	119.11	-1.775	26.248	33.079	26.645	1440.3
118.0	120.13	-1.774	26.249	33.078	26.645	1440.3
119.0	121.16	-1.775	26.251	33.081	26.647	1440.3
120.0	122.12	-1.775	26.251	33.080	26.647	1440.3
121.0	123.12	-1.777	26.249	33.080	26.647	1440.3
122.0	124.15	-1.776	26.252	33.082	26.649	1440.4
123.0	125.21	-1.775	26.252	33.080	26.646	1440.4
124.0	126.22	-1.774	26.254	33.081	26.648	1440.4
125.0	127.20	-1.774	26.256	33.083	26.649	1440.4
126.0	128.18	-1.774	26.254	33.080	26.646	1440.4
127.0	129.26	-1.774	26.255	33.081	26.648	1440.5
128.0	130.29	-1.774	26.256	33.082	26.648	1440.5
129.0	131.29	-1.774	26.256	33.081	26.647	1440.5
130.0	132.27	-1.774	26.256	33.081	26.647	1440.5

					EXPERI	MENT 3027
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
131.0	133.29	-1.773	26.257	33.081	26.647	1440.5
132.0	134.28	-1.773	26.257	33.081	26.647	1440.5
133.0	135.33	-1.773	26.260	33.082	26.648	1440.6
134.0	136.37	-1.773	26.260	33.083	26.649	1440.6
135.0	137.38	-1.772	26.262	33.083	26.649	1440.6
136.0	138.40	-1.772	26.264	33.086	26.651	1440.6
137.0	139.42	-1.772	26.266	33.088	26.653	1440.6
138.0	140.39	-1.772	26.263	33.083	26.649	1440.6
139.Ø	141.39	-1.772	26.266	33.086	26.652	1440.7
140.0	142.42	-1.772	26.266	33.086	26.651	1440.7
141.0	143.48	-1.772	26.265	33.084	26.650	1440.7
142.0	144.49	-1.772	26.265	33.083	26.649	1440.7
143.0	145.51	-1.772	26.265	33.083	26.649	1440.7
144.0	146.54	-1.772	26.265	33.082	26.649	1440.7
145.0	147.55	-1.773	26.265	33.084	26.650	1440.8
146.Ø 147.Ø	148.54 149.55	-1.773 -1.774	26.266 26.268	33.Ø83 33.Ø87	26.649 26.652	1440.8
147.0	150.55	-1.774	26.267	33.085	26.651	1440.8
149.0	151.58	-1.775	26.268	33.086	26.652	1440.8
150.0	152.59	-1.774	26.27Ø	33.089	26.654	1440.8
151.0	153.61	-1.775	26.269	33.Ø87	26.653	1440.9
152.0	154.61	-1.775	26.268	33.085	26.651	1440.9
153.0	155.64	-1.775	26.271	33.088	26.653	1440.9
154.0	156.68	-1.775	26.268	33.084	26.650	1440.9
155.0	157.70	-1.775	26.271	33.088	26.653	1440.9
156.0	158.68	-1.775	26.271	33.086	26.652	1440.9
157.0	159.73	-1.774	26.273	33.088	26.653	1441.0
158.0	160.73	-1.774	26.274	33.089	26.654	1441.0
159.0	161.73	-1.774	26.273	33.086	26.652	1441.0
160.0	162.75	-1.774	26.274	33.087	26.652	1441.0
161.0	163.79	-1.774	26.274	33.086	26.652	1441.0
162.0	164.80	-1.774	26.273	33.085	26.651	1441.0
163.0	165.80	-1.774	26.277	33.090	26.655	1441.1
164.0	166.82	-1.774 -1.774	26.275 26.277	33.086 33.088	26.651 26.653	1441.1
165.Ø 166.Ø	167.82 168.85	-1.774	26.277	33.086	26.651	1441.1
167.Ø	169.84	-1.773	26.276	33.085	26.651	1441.1
168.0	17Ø.88	-1.773	26.276	33.085	26.651	1441.1
169.0	171.87	-1.773	26.277	33.086	26.651	1441.2
170.0	172.89	-1.773	26.279	33.088	26.653	1441.2
171.0	173.89	-1.772	26.279	33.086	26.651	1441.2
172.0	174.89	-1.772	26.279	33.085	26.651	1441.2
173.0	175.92	-1.772	26.279	33.085	26.650	1441.2
174.0	176.95	-1.772	26.281	33.086	26.652	1441.3
175.0	177.98	-1.772	26.281	33.086	26.652	1441.3
176.0	179.01	-1.771	26.282	33.086	26.651	1441.3
177.Ø	180.01	-1.771	26.285	33.089	26.654	1441.3
178.Ø	181.01	-1.771	26.283	33.085	26.651	1441.3
179.0	182.01	-1.771	26.284	33.087	26.652	1441.3
180.0	183.02	-1.771	26.284	33.086	26.651 26.652	1441.4
181.0	184.04	-1.770	26.286	33.Ø87 33.Ø86	26.652	1441.4
182.0	185.04	-1.77Ø -1.77Ø	26.286 26.286	33.086	26.652	1441.4
183.0	186.07	-1.770	26.288	33.088	26.653	1441.4
184.0	187.10	-1.769	26.288	33.087	26.652	1441.5
185.Ø 186.Ø	188.12 189.14	-1.769	26.291	33.091	26.655	1441.5
187.0	190.14	-1.769	26.290	33.088	26.653	1441.5
188.0	191.18	-1.768	26.291	33.088	26.653	1441.5
189.0	192.20	-1.767	26.293	33.089	26.654	1441.5
190.0	193.19	-1.767	26.293	33.088	26.653	1441.5
191.0	194.20	-1.766	26.294	33.088	26.653	1441.6
192.0	195.18	-1.766	26.297	33.092	26.656	1441.6
193.0	196.21	-1.766	26.295	33.088	26.653	1441.6
194.Ø	197.23	-1.764	26.298	33.090	26.654	1441.6
195.Ø	198.24	-1.762	26.299	33.088	26.653	1441.7
196.0	199.26	-1.762	26.301	33.091	26.655	1441.7
197.Ø	200.27	-1.762	26.303	33.092	26.656	1441.7

### EXPERIMENT 3Ø27

					EMI EICE	112111 0027
DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
198.0	201.27	-1.761	26.302	33.089	26.654	1441.7
199.0	202.32	-1.762	26.303	33.091	26.655	1441.7
200.0	203.31	-1.761	26.305	33.092	26.656	1441.7
201.0	204.30	-1.760	26.306	33.091	26.656	1441.8
202.0	205.35	-1.759	26.307	33.091	26.655	1441.8
203.0	206.36	-1.757	26.310	33.093	26.657	1441.8
204.0	207.36	-1.757	26.311	33.093	26.657	1441.8
205.0	208.38	-1.756	26.313	33.096	26.659	1441.9
206.0	209.41	-1.756	26.313	33.094	26.658	1441.9
207.0	210.42	-1.755	26.313	33.093	26.657	1441.9
208.0	211.44	-1.755	26.314	33.094	26.657	1441.9
209.0	212.48	-1.755 -1.755	26.314 26.315	33.Ø93 33.Ø94	26.657 <b>26.</b> 658	1441.9
210.0	213.47	-1.755	26.316	33.095	26.658	1441.9
212.0	215.50	-1.755	26.317	33.094	26.658	1442.0
213.0	216.51	-1.753	26.320	33.097	26.660	1442.0
214.0	217.54	-1.754	26.321	33.099	26.661	1442.0
215.0	218.57	-1.753	26.320	33.095	26.658	1442.0
216.0	219.58	-1.753	26.321	33.096	26.659	1442.1
217.0	220.60	-1.753	26.321	33.095	26.658	1442.1
218.0	221.62	-1.753	26.322	33.096	26.659	1442.1
219.0	222.64	-1.753	26.321	33.094	26.658	1442.1
220.0	223.62	-1.753	26.323	33.095	26.658	1442.1
221.0	224.62	-1.753	26.322	33.095	26.658	1442.1
222.0	225.67	-1.753	26.324	33.096	26.659	1442.2
223.0	226.65	-1.753	26.324	33.096	26.659	1442.2
224.0	227.71	-1.752	26.325	33.095	26.658	1442.2
225.0	228.72	-1.750	26.327	33.096	26.659	1442.2
226.Ø 227.Ø	229.75 230.76	-1.75Ø -1.749	26.328 26.329	33.Ø96 33.Ø96	26.659 26.659	1442.2
228.0	231.80	-1.750	26.328	33.096	26.659	1442.3
229.0	232.78	-1.751	26.329	33.896	26.659	1442.3
230.0	233.77	-1.748	26.331	33.096	26.659	1442.3
231.0	234.77	-1.747	26.332	33.096	26.659	1442.3
232.0	235.80	-1.747	26.335	33.099	26.661	1442.4
233.0	236.82	-1.746	26.337	33.101	26.663	1442.4
234.0	237.86	-1.746	25.338	33.100	26.662	1442.4
235.Ø	238.91	-1.746	26.336	33.097	26.66Ø	1442.4
236.0	239.90	-1.745	26.339	33.101	26.663	1442.4
237.0	240.94	-1.745	26.338	33.098	26.660	1442.4
238.0	241.93	-1.745	26.340	33.100	26.662	1442.5
239.Ø 24Ø.Ø	242.96 243.95	-1.745 -1.745	26.339 26.34Ø	33.Ø98 33.Ø99	26.661 26.661	1442.5
241.0	244.99	-1.745	26.342	33.101	26.663	1442.5
242.0	245.99	-1.742	26.345	33.101	26.663	1442.6
243.0	247.00	-1.741	26.345	33.100	26.662	1442.6
244.0	248.01	-1.741	26.344	33.099	26.661	1442.6
245.Ø	249.04	-1.741	26.347	33.102	26.664	1442.6
246.0	250.03	-1.74Ø	26.348	33.101	26.663	1442.6
247.0	251.10	-1.739	26.348	33.100	26.662	1442.6
248.0	252.07	-1.74Ø	26.349	33.101	26.663	1442.7
249.0	253.09	-1.739	26.352	33.103	26.665	1442.7
250.0	254.10	-1.739	26.351	33.102	26.663	1442.7
251.0	255.12	-1.736	26.353	33.101	26.662	1442.7
252.Ø	256.10	-1.732	26.359	33.105	26.666	1442.8
253.Ø	257.11	-1.732 -1.732	26.360	33.104	26.665	1442.8
254.Ø 255.Ø	258.14 259.15	-1.732	26.361 26.360	33.105 33.104	26.666	1442.8
256.0	260.14	-1.729	26.364	33.105	26.665 26.666	1442.8
257.0	261.17	-1.729	26.365	33.105	26.666	1442.9
258.0	262.22	-1.727	26.367	33.105	26.666	1442.9
259.0	263.22	-1.728	26.368	33.147	26.667	1442.9
260.0	264.26	-1.725	26.368	33.103	26.665	1442.9
261.0	265.28	-1.717	26.377	33.107	26.668	1443.8
262.0	266.30	-1.702	25.394	33.114	26.672	1443.1
263.0	267.30	-1.694	26.402	33.115	26.674	1443.1
264.0	268.31	-1.689	26.409	33.117	26.675	1443.2

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø	269.31 27ø.31 271.35	-1.687 -1.687 -1.686	26.414 26.411 26.412	33.123 33.118 33.117	26.679 26.676 26.675	1443.2 1443.2 1443.3
268.Ø 269.Ø	272.36 273.34	-1.684 -1.684	26.415	33.119 33.118	26.677 26.675	1443.3



CRUISE 15-77-821 CROZIER STRAIT-77 SITE C(5)B EXPERIMENT 3030

LAT.N. 75-29-58 LONG.W. 97-05-05

DATE Ø7Ø477 G.M.T. 2ØØØ

U.T.M. ZONE 14 8379956 N 553636 E DEPTH INCR 1.00 WATER DEPTH 317 M

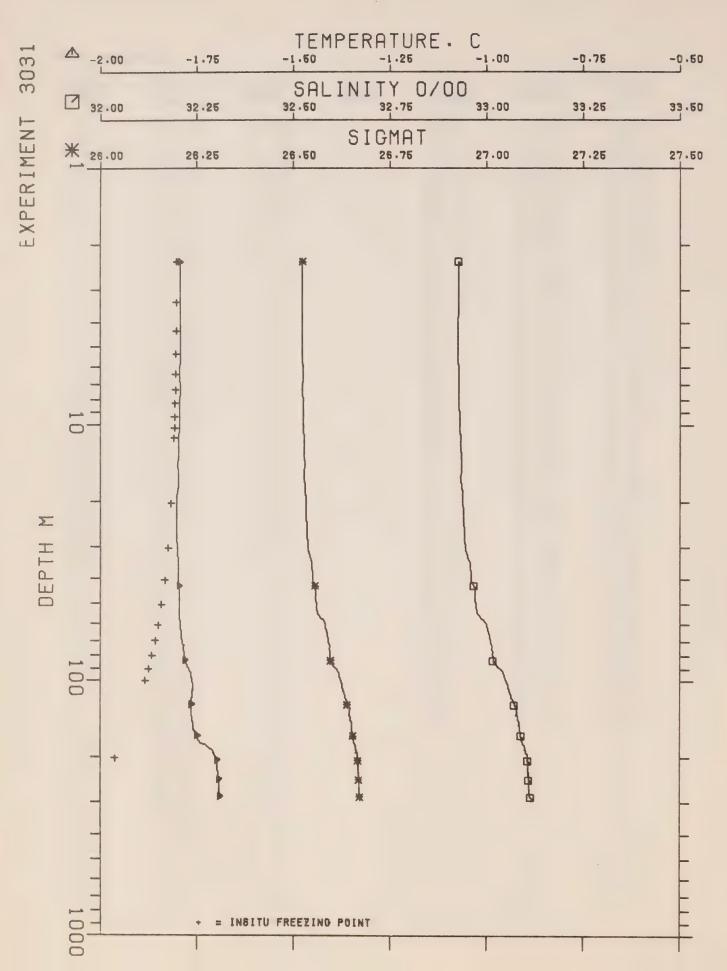
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(Ø/ØØ)		(M/SEC)
2.0	1.95	-1.810				
3.0	3.95	-1.810				
4.Ø 5.Ø	3.98 5.06	-1.81Ø -1.81Ø				
6.0	6,05	-1.811				
7.0	7.04	-1.810				
8.8	8.09	-1.810				
9.0	9.10	-1.810 -1.810				
10.0 11.0	10.08 11.13	-1.809				
12.0	12.13	-1.810				
13.0	13.11	-1.809				
14.0	14.16	-1.81Ø -1.81Ø				
15.Ø 16.Ø	15.18 16.17	-1.809				
17.0	17.19	-1.809				
18.0	18.22	-1.810				
19.0	19.21	-1.81Ø -1.8Ø9				
2Ø.Ø 21.Ø	20.22 21.28	-1.809				
22.0	22.25	-1.809				
23.0	23.25	-1.809				
24.Ø 25.Ø	24.31 25.31	-1.809 -1.809				
26.0	26.27	-1.809				
27.0	27.34	-1.809				
28.0	28.36	-1.8Ø9 -1.8Ø9				
29.Ø 3Ø.Ø	29.35 30.32	-1.809				
31.0	31.39	-1.809				
32.0	32.37	-1.809				
33.Ø 34.Ø	33.40 34.42	-1.808 -1.807				
35.0	35.40	-1.807				
36.0	36.45	-1.806				
37.0	37.41 38.46	-1.806 -1.805				
38.Ø 39.Ø	39.49	-1.805				
40.0	40.46	-1.805				
41.6	41.51	-1.804				
42.Ø 43.Ø	42.5Ø 43.51	-1.8Ø3 -1.8Ø3				
44.0	44.54	-1.803				
45.0	45.53	-1.802				
46.Ø 47.Ø	46.57 47.57	-1.801 -1.801				
48.0	48.57	-1.800				
49.0	49.61	-1.799				
50.0 51.0	50.61 51.59	-1.799 -1.799				
52.0	52.65	-1.798				
53.0	53.64	-1.798				
54.Ø 55.Ø	<b>54.65</b> 55.71	-1.798 -1.798				
56.0	56.68	-1.798				
57.0	57.69	-1.797				
58.Ø 59.Ø	58.74 59.71	-1.797 -1.797				
59.0 60.0	6Ø.74	-1.797				
61.0	61.80	-1.797				
62.0	62.77	-1.797 -1.797				
63.0	63.80	1.121				

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
64.0	64.85	-1.797				
65.Ø 66.Ø	65.82 66.82	-1.796 -1.796				
67.0	67.87	-1.796				
68.0	68.85	-1.796				
69.0	69.85	-1.796				
7Ø.Ø 71.Ø	7Ø.89 71.92	-1.796 -1.796				
72.0	72.87	-1.796				
73.0	73.92	-1.795				
74.0	74.95	-1.795				
75.Ø 76.Ø	75.95 76.94	-1.795 -1.795				
77.0	77.99	-1.795				
78.Ø	79.01	-1.795				
79.0 80.0	79. <b>9</b> 8 81.Ø1	-1.794 -1.794				
81.0	82.Ø4	-1.794				
82.0	83.04	-1.794				
83.0	84.02	-1.794				
84.Ø 85.Ø	85.09 86.10	-1.793 -1.789				
86.0	87.08	-1.789				
87.0	88.09	-1.789				
88.0	89.15	-1.789				
89.Ø 9Ø.Ø	9Ø.15 91.13	-1.789 -1.788				
91.0	92.13	-1.788				
92.0	93.20	-1.788				
93.0	94.2Ø 95.19	-1.787 -1.787				
95.0	96.19	-1.786				
96.0	97.25	-1.786				
97.0	98.27	-1.786				
98.Ø 99.Ø	99.25 100.25	-1.784 -1.784				
100.0	101.26	-1.783				
101.0	102.31	-1.782				
102.0 103.0	103.29	-1.782 -1.782				
104.0	105.35	-1.782				
105.0	106.32	-1.781				
106.0 107.0	107.34 108.38	-1.780				
108.0	100.30	-1.78Ø -1.778				
109.0	110.37	-1.777				
110.0	111.42	-1.775				
111.0	112.43	-1.774 -1.774				
113.0	114.46	-1.773				
114.0	115.47	-1.773				
115.Ø 116.Ø	116.45 117.51	-1.773 -1.773				
117.0	118.51	-1.773				
118.0	119.51	-1.772				
119.0	120.50	-1.771				
120.0 121.0	121.57 122.57	-1.77Ø -1.77Ø				
122.0	123.54	-1.77Ø				
123.0	124.62	-1.77Ø				
124.Ø 125.Ø	125.62 126.59	-1.77Ø -1.77Ø				
126.0	127.61	-1.769				
127.0	128.65	-1.769				
128.0	129.66 130.65	-1.768 -1.768				
130.0	131.68	-1.768				

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
131.0 132.0 133.0 134.0 135.0 136.0 137.0 138.0 140.0 141.0 142.0 143.0 144.0 145.0 145.0 145.0 151.0 155.0 155.0 157.0 158.0 159.0 159.0 160.0 161.0 162.0 163.0 163.0 164.0 165.0 166.0 167.0 168.0 169.0 169.0 169.0 171.0 172.0 173.0 173.0 173.0 175.0 175.0 175.0 175.0 176.0 177.0 17	132.71 133.70 134.69 135.75 136.78 137.74 138.75 139.80 140.83 141.81 142.79 143.87 145.87 145.87 145.89 148.93 149.92 150.92 151.92 151.92 155.97 157.00 158.05 169.04 161.04 162.05 163.11 164.14 165.14 166.11 167.12 168.18 170.23 171.20 172.18 173.20 174.24 175.25 176.24 177.29	-1.767 -1.767 -1.767 -1.767 -1.767 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.766 -1.765 -1.765 -1.763				
176.0 177.0 178.0 179.0 180.0 181.0 182.0 183.0 184.0 185.0 186.0 187.0 188.0 190.0 191.0 192.0 193.0	178.31 179.30 180.30 181.33 182.35 183.33 184.36 185.39 186.41 187.40 188.42 189.48 190.45 191.45 192.48 193.50 194.51 195.51	-1.762 -1.762 -1.762 -1.762 -1.762 -1.762 -1.762 -1.762 -1.762 -1.766 -1.760 -1.759 -1.759 -1.759				
194.Ø 195.Ø 196.Ø 197.Ø	196.52 197.57 198.57 199.58	-1.758 -1.758 -1.756 -1.751				

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
198.Ø 199.Ø 200.Ø	200.56 201.62 202.64	-1.750 -1.750 -1.750				
201.0	203.63	-1.75Ø -1.75Ø				
203.0	205.65	-1.75Ø				
2Ø4.Ø 2Ø5.Ø	206. <b>67</b> 207.70	-1.75Ø -1.75Ø				
205.0	208.71	-1.75ø				
207.0	209.69	-1.75Ø				
208.0 209.0	21Ø.7Ø 211.76	-1.749 -1.748				
210.0	212.77	-1.745				
211.0	213.77	-1.746				
212.0	214.76 215.77	-1.743 -1.742				
214.0	216.80	-1.741				
215.Ø 216.Ø	217.85 218.86	-1.741 -1.740				
217.0	219.84	-1.741				
218.0	220.83	-1.741				
219.0	221.85 222.92	-1.74Ø -1.74Ø				
221.0	223.93	-1.740				
222.Ø 223.Ø	22 <b>4.92</b> 22 <b>5.9</b> 1	-1.74Ø -1.74Ø				
224.0	226.92	-1.739				
225.0	227.93	-1.739				
226.Ø 227.Ø	228.98 229.98	-1.739 -1.739				
228.0	231.01	-1.739				
229.0	232.Ø2 233.Ø3	-1.739				
231.0	234.Ø1	-1.739 -1.739				
232.0	235.Ø3	-1.739				
233.Ø 234.Ø	236.Ø7 237.1Ø	-1.739 -1.739				
235.0	238.12	-1.740				
236.Ø 237.Ø	239.12 24Ø.11	-1.740				
238.0	241.10	-1.74Ø -1.74Ø				
239.0	242.14	-1.740				
24Ø.Ø 241.Ø	243.18	-1.740 -1.739				
242.0	245.16	-1.739				
243.0	246.18 247.22	-1.739				
245.0	248.24	-1.739 -1.739				
246.0	249.21	-1.740				
247.0	25Ø.24 251.27	-1.74Ø -1.74Ø				
249.0	252.3Ø	-1.740				
25Ø.Ø 251.Ø	253.28 25 <b>4.2</b> 8	-1.738 -1.737				
252.0	255.32	-1.738				
253.0	256.35	-1.738				
254.Ø 255.Ø	257.35 258.32	-1.736 -1.734				
256.0	259.36	-1.733				
257.Ø 258.Ø	260.40 261.40	-1.733 -1.732				
259.0	262.40	-1.729				
250.0	263.40	-1.729				•
261.Ø 262.Ø	264.44 265.47	-1.728 -1.729				
263.0	266.47	-1.729				
264.0	267.46	-1.728				

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
					SIGMAT	
306.0 307.0 308.0 309.0 310.0 311.0	310.10 311.07 312.06 313.10 314.15 315.10	-1.721 -1.722 -1.721 -1.720 -1.719 -1.719				
312.0 313.0 314.0 315.0	316.12 317.10 318.05 318.92	-1.717 -1.716 -1.712 -1.714				



EXPERIMENT 3Ø31 CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(4)B G.M.T. 2300 LAT.N. 75-38-16 LONG.W. 97-88-81 DATE Ø78477 DEPTH INCR 1.00 WATER DEPTH 286 M 838Ø531 N 552114 E U.T.M. ZONE 14 SIGMAT SOUND SALINITY DEPTH PRESSURE TEMP COND (DEG.C) (MMHO) (8/88) (M/SEC) (M) (DBARS) 32.927 26.523 1438.1 -1.793 26.075 2.33 2.0 1438.1 -1.793 26.076 32.927 26.523 3.36 3.0 1438.1 26.522 -1.793 26.075 32.926 4.8 4.34 1438.1 -1.793 26.076 32.926 26.522 5.0 5.32 32.928 26.524 1438.1 26.077 -1.794 6.0 6.40 -1.794 32.928 26.524 1438.1 26.077 7.37 7.0 -1.794 32.928 26.524 1438.2 8.32 26.078 8.0 32.93Ø 32.929 1438.2 26.079 26.525 -1.795 9.0 9.39 1438.2 -1.794 26.079 26.524 10.34 10.0 32.932 26.527 1438.2 26.080 -1.796 11.0 11.36 1438.2 -1.797 32.933 26.528 12.37 26.080 12.0 1438.2 13.34 32.934 26.529 -1.798 26.081 13.0 32.935 1438.2 -1.799 26.530 26.081 14.0 14.42 26.529 1438.3 32.934 15.30 16.31 17.37 -1.798 26.082 15.0 26.082 32.934 26.528 1438.3 -1.797 16.0 1438.3 -1.798 26.529 26.083 32.934 17.0 1438.3 26.083 32.937 26.531 18.34 -1.801 18.0 26.083 32.938 1438.3 26.532 -1.802 19.34 19.0 32.938 1438.3 26.532 20.40 21.36 22.37 26.083 -1.802 20.0 26.533 1438.3 26.084 32.939 21.8 -1.803 32.939 26.533 1438.4 26.084 -1.803 22.0 32.940 26.533 1438.4 23.42 -1.803 26.085 23.0 26.087 1438.4 -1.802 32.941 26.534 24.48 24.0 32.942 1438.4 26.535 25.45 26.49 -1.801 26.089 25.0 1438.4 32.942 26.536 26.090 -1.801 26.0 27.49 1438.5 32.943 26.536 26.091 -1.801 27.0 1438.5 26.536 26.091 32.943 28.48 -1.801 28.0 26.537 1438.5 -1.801 26.093 32.945 29.0 29.53 32.946 26.095 26.538 1438.5 30.52 -1.800 30.0 1438.5 32.947 26.539 -1.800 26.096 31.0 32.950 26.542 1438.6 -1.799 26.100 32.55 32.0 -1.798 1438.6 26.545 32.954 26.103 33.57 33.0 1438.6 32.957 26.547 26.107 -1.797 34.0 34.57 1438.6 26.108 32.958 26.548 35.0 35.60 26.548 26.549 1438.7 -1.797 26.109 32.958 36.62 36.0 1438.7 32.959 37.59 -1.797 26.110 37.0 1438.7 26.550 1.797 -1.797 -1.797 32.960 -1.797 26.111 38.0 38.64 26.112 26.550 1438.7 32.960 39.61 39.0 26.550 1438.7 32.961 26.113 40.68 40.0 1438.7 32.963 26.552 -1.796 26.115 41.64 41.0 26.556 1438.8 32.967 26.119 -1.796 42.0 42.69 32.969 26.557 1438.8 -1.796 -1.796 43.68 26.120 43.0 1438.8 26.121 26.557 32.969 44.0 44.72 -1.796 32.969 26.557 1438.8 26.121 45.0 45.74 26.558 1438.8 32.970 26.123 -1.796 46.72 46.0 1438.9 -1.796 -1.796 -1.796 26.558 32.971 26.124 47.0 47.78 1438.9 32.971 26.559 26.124 48.75 48.0 26.559 26.559 1438.9 32.972 26.125 49.78 49.0 1438.9 32.972 50.79 26.126 -1.796 50.0 26.560 1438.9 26.127 32.973 51.78 -1.795 51.0 1438.9 26.561 32.974 -1.795 -1.795 26.128 52.85 52.8 26.563 1439.0 32.976 26.130 53.0 53.81 32.977 26.563 1439.0 -1.795 26.132 54.87 54.0 26.568 1439.0 26.136 32.983 -1.795 55.86 55.0 -1.795 -1.794 32.986 26.570 1439.0 26.139 56.0 56.88 26.577 1439.1 32.993 26.146 57.95 57.0 26.579 1439.1 32.996 -1.794 26.148 58.0 58.91 1439.1 26.582 32.999 26.152 59.99 -1.793 59.0 26.582 1439.1 33.000 -1.793 26.152

1439.2

1439.2

1439.2

33.002

33.003

33.004

26.155

26.156

26.158

26.583

26.585

26.585

60.95

-1.792

-1.792

-1.791

61.93

63.00

63.97

50.0

61.0

62.0

63.0

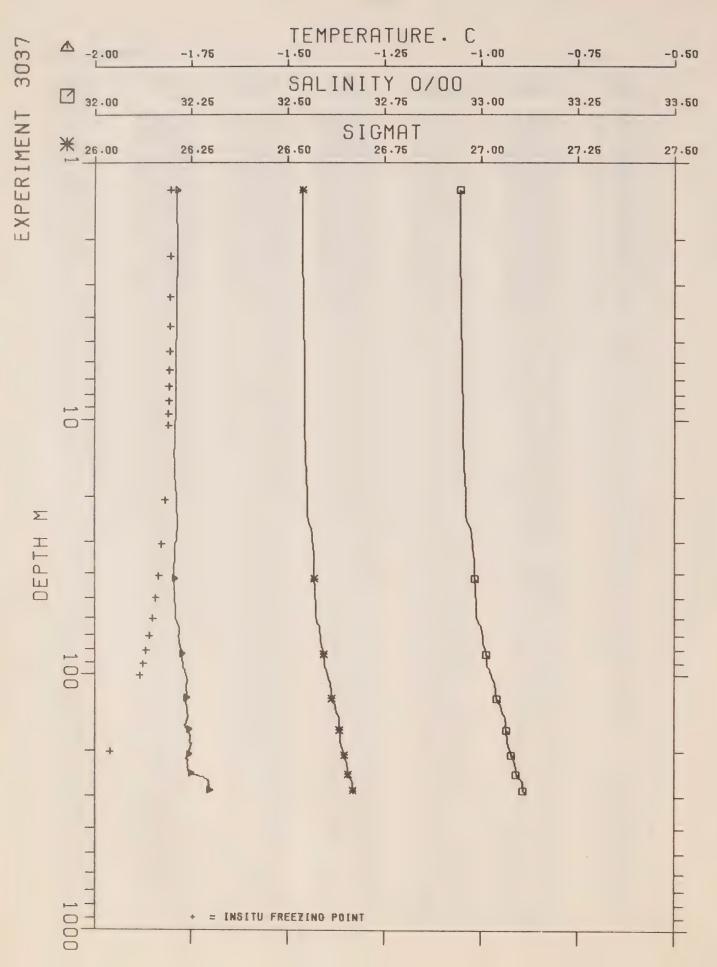
64.8 65.86 -1.798	DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
66. 8 66. 93 -1.798						26,587	
68.8 69.87 -1.789 25.165 33.868 26.589 1439.3 69.8 69.8 78.86 -1.789 26.166 33.869 26.589 1439.3 69.8 78.86 -1.789 26.166 33.869 26.589 1439.3 78.8 78.8 71.11 -1.787 26.169 33.801 26.592 1439.3 778.8 71.18 72.87 -1.787 26.176 33.812 26.592 1439.4 72.87 73.12 -1.784 26.176 33.815 26.592 1439.4 73.88 74.15 -1.784 26.176 33.815 26.594 1439.4 73.87 74.15 -1.784 26.176 33.815 26.594 1439.4 73.87 75.18 75.11 -1.785 26.176 33.815 26.594 1439.4 75.87 75.18 75.18 -1.785 26.176 33.815 26.594 1439.4 75.87 75.18 75.18 75.18 26.176 33.815 26.594 1439.4 75.87 75.18 75.18 75.18 26.178 33.815 26.594 1439.5 75.87 77.88 75.17 728 26.181 33.815 26.595 1439.5 78.8 79.21 -1.782 26.181 33.815 26.595 1439.5 78.8 79.22 -1.782 26.181 33.815 26.595 1439.5 78.8 87.22 1.782 26.183 33.817 26.595 1439.5 88.8 88.22 -1.782 26.183 33.817 26.595 1439.5 88.8 88.22 -1.782 26.183 33.817 26.595 1439.5 88.8 88.22 -1.782 26.183 33.817 26.595 1439.5 88.8 88.22 -1.788 26.183 33.817 26.595 1439.6 82.25 -1.781 26.183 33.817 26.595 1439.6 82.25 -1.782 26.183 33.817 26.595 1439.6 82.25 -1.788 26.188 33.826 26.596 1439.6 82.8 83.27 -1.782 26.183 33.817 26.595 1439.6 82.8 83.27 -1.782 26.183 33.817 26.595 1439.6 82.8 83.27 -1.782 26.183 33.817 26.595 1439.6 82.8 83.27 -1.778 26.193 33.826 26.698 1439.6 84.8 85.29 -1.779 26.188 33.826 26.668 1439.6 84.8 85.29 -1.778 26.193 33.826 26.668 1439.6 84.8 85.29 -1.778 26.193 33.822 26.668 1439.6 88.8 89.3 4 -1.765 26.193 33.822 26.668 1439.6 88.8 89.3 4 -1.765 26.193 33.822 26.668 1439.9 99.8 99.8 99.35 -1.769 26.213 33.815 26.668 1439.9 99.8 99.8 99.35 -1.766 26.213 33.815 26.668 1439.9 99.8 99.8 99.35 -1.766 26.213 33.845 26.618 1439.9 99.8 99.8 99.35 -1.766 26.22 33.845 26.618 1439.9 99.8 99.8 99.35 -1.766 26.22 33.845 26.618 1439.9 99.8 99.8 99.3 99.8 99.3 99.8 99.3 99.8 99.3 99.8 99.8		66.03					
69.8							
69,8         78,86         -1.789         26.166         33,899         26.589         1439.3           71.18         72.87         -1.787         26.171         33,812         26.592         1439.4           72.8         73.12         -1.784         26.176         33.815         26.594         1439.4           73.8         74.15         -1.785         26.176         33.815         26.594         1439.4           74.8         75.11         -1.785         25.174         33.815         26.594         1439.4           75.8         76.18         -1.785         26.176         33.815         26.594         1439.4           76.8         77.26         -1.782         26.186         33.815         26.595         1439.5           77.8         78.16         -1.782         26.183         33.816         26.595         1439.5           79.8         78.2         -1.781         26.183         33.816         26.595         1439.5           79.8         88.22         -1.781         26.183         33.817         26.595         1439.5           88.8         88.27         -1.781         26.183         33.817         26.595         1439.6 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>							
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99.0							
188.8         181.49         -1.761         26.232         33.852         26.623         1448.8           181.0         182.53         -1.761         26.234         33.853         26.625         1448.8           182.8         183.58         -1.761         26.235         33.854         26.625         1448.1           183.8         184.58         -1.761         26.235         33.854         26.625         1448.1           184.0         185.57         -1.761         26.235         33.854         26.625         1448.1           185.8         186.61         -1.761         26.237         33.855         26.626         1448.1           185.8         186.61         -1.761         26.237         33.857         26.627         1448.1           186.8         187.63         -1.761         26.238         33.857         26.627         1448.1           188.8         189.65         -1.761         26.239         33.957         26.628         1449.1           188.8         189.65         -1.761         26.248         33.858         26.628         1448.2           189.8         189.65         -1.762         26.241         33.859         26.629         1448.2 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
101.0							
102.00		102.53					
104.0         105.57         -1.761         26.236         33.054         26.626         1440.1           105.0         106.61         -1.761         26.237         33.055         26.626         1440.1           107.0         108.60         -1.761         26.238         33.057         26.627         1440.1           107.0         108.60         -1.761         26.239         33.057         26.628         1440.1           108.0         109.65         -1.761         26.240         33.058         26.628         1440.2           110.0         111.63         -1.762         26.241         33.059         26.629         1440.2           110.0         111.63         -1.762         26.242         33.061         26.631         1440.2           111.0         112.72         -1.762         26.242         33.062         26.631         1440.2           112.0         113.68         -1.763         26.244         33.062         26.632         1440.2           113.0         114.70         -1.763         26.244         33.0663         26.632         1440.2           113.0         116.73         -1.763         26.245         33.063         26.633         1440.3 <td></td> <td></td> <td></td> <td></td> <td>33.054</td> <td>26.625</td> <td>1440.1</td>					33.054	26.625	1440.1
105.0							
106.0  107.63							
107.0         108.60         -1.761         26.239         33.057         26.628         1440.1           108.0         109.65         -1.761         26.240         33.058         26.628         1440.2           109.0         110.65         -1.762         26.241         33.059         26.629         1440.2           110.0         111.63         -1.762         26.242         33.061         26.631         1440.2           111.0         112.72         -1.762         26.243         33.061         26.631         1440.2           112.0         113.68         -1.763         26.244         33.062         26.632         1440.2           113.0         114.70         -1.763         26.244         33.063         26.632         1440.2           114.0         115.74         -1.763         26.245         33.063         26.632         1440.2           114.0         115.74         -1.763         26.245         33.064         26.633         1440.3           115.0         116.73         -1.763         26.245         33.066         26.633         1440.3           117.0         118.79         -1.765         26.248         33.066         26.635         1440.3 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
108.0       109.65       -1.761       26.240       33.058       26.628       1440.2         109.0       110.65       -1.762       26.241       33.059       26.629       1440.2         110.0       111.63       -1.762       26.242       33.061       26.631       1440.2         111.0       112.72       -1.762       26.243       33.061       26.631       1440.2         112.0       113.68       -1.763       26.244       33.062       26.632       1440.2         113.0       114.70       -1.763       26.244       33.063       26.632       1440.2         114.0       115.74       -1.763       26.245       33.063       26.632       1440.2         115.0       116.73       -1.763       26.245       33.063       26.632       1440.3         115.0       116.73       -1.763       26.244       33.064       26.633       1440.3         116.0       117.75       -1.764       26.247       33.066       26.635       1440.3         118.0       119.75       -1.765       26.248       33.069       26.637       1440.3         120.0       120.79       -1.766       26.250       33.070       26.638	107.0	108.60					
110.0       111.63       -1.762       26.242       33.061       26.631       1440.2         111.0       112.72       -1.762       26.243       33.061       26.631       1440.2         112.0       113.68       -1.763       26.244       33.062       26.632       1440.2         113.0       114.70       -1.763       26.244       33.063       26.632       1440.2         114.0       115.74       -1.763       26.245       33.063       26.632       1440.3         115.0       116.73       -1.763       26.245       33.063       26.633       1440.3         116.0       117.75       -1.764       26.246       33.0664       26.635       1440.3         117.0       118.79       -1.765       26.248       33.0667       26.636       1440.3         118.0       119.75       -1.765       26.249       33.069       26.637       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.3         121.0       122.79       -1.765       26.250       33.072       26.640       1440.4         123.0       124.83       -1.764       26.253       33.072       26.640			-1.761	26.240			1440.2
111.0							
112.0       113.68       -1.763       26.244       33.062       26.632       1440.2         113.0       114.70       -1.763       26.244       33.063       26.632       1440.2         114.0       115.74       -1.763       26.245       33.063       26.633       1440.3         115.0       116.73       -1.763       26.246       33.064       26.633       1440.3         116.0       117.75       -1.764       26.247       33.066       26.635       1440.3         117.0       118.79       -1.765       26.248       33.067       26.636       1440.3         119.0       120.79       -1.765       26.249       33.070       26.638       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.3         120.0       121.81       -1.765       26.250       33.070       26.638       1440.4         121.0       122.79       -1.765       26.250       33.072       26.640       1440.4         122.0       123.85       -1.765       26.254       33.072       26.640       1440.4         123.0       124.83       -1.764       26.255       33.073       26.641							
113.0       114.70       -1.763       26.244       33.063       26.632       1440.2         114.0       115.74       -1.763       26.245       33.063       26.633       1440.3         115.0       116.73       -1.763       26.246       33.064       26.633       1440.3         116.0       117.75       -1.764       26.247       33.066       26.635       1440.3         117.0       118.79       -1.765       26.248       33.067       26.636       1440.3         119.0       119.75       -1.765       26.249       33.069       26.637       1440.3         119.0       120.79       -1.766       26.250       33.070       26.638       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.3         121.0       122.79       -1.765       26.250       33.070       26.640       1440.4         121.0       123.85       -1.765       26.254       33.072       26.640       1440.4         123.0       124.83       -1.764       25.255       33.073       26.641       1440.4         125.0       126.90       -1.764       26.250       33.077       26.641							
115.0       116.73       -1.763       26.246       33.064       26.633       1440.3         116.0       117.75       -1.764       26.247       33.066       26.635       1440.3         117.0       118.79       -1.765       26.248       33.067       26.636       1440.3         118.0       119.75       -1.765       26.249       33.069       26.637       1440.3         119.0       120.79       -1.766       26.250       33.070       26.638       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.4         121.0       122.79       -1.765       26.253       33.072       26.640       1440.4         123.0       123.85       -1.765       26.254       33.072       26.640       1440.4         123.0       124.83       -1.764       26.255       33.073       26.641       1440.4         125.0       125.85       -1.764       26.256       33.077       26.641       1440.4         125.0       127.89       -1.764       26.259       33.077       26.644       1440.5         127.0       128.89       -1.764       26.260       33.079       26.645		114.70					
116.0       117.75       -1.764       26.247       33.066       26.635       1440.3         117.0       118.79       -1.765       26.248       33.067       26.636       1440.3         118.0       119.75       -1.765       26.249       33.069       26.637       1440.3         119.0       120.79       -1.766       26.250       33.070       26.638       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.4         121.0       122.79       -1.765       26.253       33.072       26.640       1440.4         122.0       123.85       -1.765       26.254       33.072       26.640       1440.4         123.0       124.83       -1.764       26.255       33.073       26.641       1440.4         125.0       125.85       -1.764       26.256       33.073       26.641       1440.4         125.0       126.90       -1.764       26.259       33.077       26.644       1440.5         126.0       127.89       -1.764       26.260       33.077       26.644       1440.5         128.0       129.95       -1.764       26.261       33.079       26.645						26.633	1440.3
117.0       118.79       -1.765       26.248       33.067       26.636       1440.3         118.0       119.75       -1.765       26.249       33.069       26.637       1440.3         119.0       120.79       -1.766       26.250       33.070       26.638       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.4         121.0       122.79       -1.765       26.253       33.072       26.640       1440.4         122.0       123.85       -1.765       26.254       33.072       26.640       1440.4         123.0       124.83       -1.764       26.255       33.073       26.641       1440.4         124.0       125.85       -1.764       26.256       33.074       26.641       1440.4         125.0       126.90       -1.764       26.259       33.077       26.644       1440.5         126.0       127.89       -1.764       26.260       33.077       26.644       1440.5         127.0       128.89       -1.764       26.261       33.079       26.645       1440.5         129.0       130.92       -1.765       26.261       33.079       26.645							
118.0       119.75       -1.765       26.249       33.069       26.637       1440.3         119.0       120.79       -1.766       26.250       33.070       26.638       1440.3         120.0       121.81       -1.766       26.250       33.070       26.638       1440.4         121.0       122.79       -1.765       26.253       33.072       26.640       1440.4         122.0       123.85       -1.765       26.254       33.072       26.640       1440.4         123.0       124.83       -1.764       25.255       33.073       26.641       1440.4         124.0       125.85       -1.764       26.256       33.074       26.641       1440.4         125.0       126.90       -1.764       26.259       33.077       26.644       1440.5         126.0       127.89       -1.764       26.260       33.077       26.644       1440.5         127.0       128.89       -1.764       26.261       33.078       26.645       1440.5         128.0       129.95       -1.764       26.261       33.079       26.645       1440.5         129.0       130.92       -1.765       26.261       33.079       26.645							
119.0     120.79     -1.766     26.250     33.070     26.638     1440.3       120.0     121.81     -1.766     26.250     33.070     26.638     1440.4       121.0     122.79     -1.765     26.253     33.072     26.640     1440.4       122.0     123.85     -1.765     26.254     33.072     26.640     1440.4       123.0     124.83     -1.764     25.255     33.073     26.641     1440.4       124.0     125.85     -1.764     26.256     33.074     26.641     1440.4       125.0     126.90     -1.764     26.259     33.077     26.644     1440.5       126.0     127.89     -1.764     26.260     33.077     26.644     1440.5       127.0     128.89     -1.764     26.261     33.078     26.645     1440.5       128.0     129.95     -1.764     26.261     33.079     26.645     1440.5       129.0     130.92     -1.765     26.261     33.079     26.645     1440.5							
120.0     121.81     -1.766     26.250     33.070     26.638     1440.4       121.0     122.79     -1.765     26.253     33.072     26.640     1440.4       122.0     123.85     -1.765     26.254     33.072     26.640     1440.4       123.0     124.83     -1.764     26.255     33.073     26.641     1440.4       124.0     125.85     -1.764     26.256     33.074     26.641     1440.4       125.0     126.90     -1.764     26.259     33.077     26.644     1440.4       126.0     127.89     -1.764     26.260     33.077     26.644     1440.5       127.0     128.89     -1.764     26.261     33.078     26.645     1440.5       128.0     129.95     -1.764     26.261     33.079     26.645     1440.5       129.0     130.92     -1.765     26.261     33.079     26.645     1440.5							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							1440.4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$							
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	124.0						
126.0     127.89     -1.764     26.260     33.077     26.644     1440.5       127.0     128.89     -1.764     26.261     33.078     26.645     1440.5       128.0     129.95     -1.764     26.261     33.079     26.645     1440.5       129.0     130.92     -1.765     26.261     33.079     26.645     1440.5				26.259	33.077		
128.0 129.95 -1.764 26.261 33.079 26.645 1440.5 129.0 130.92 -1.765 26.261 33.079 26.645 1440.5							1440.5
129.0 130.92 -1.765 26.261 33.079 26.645 1440.5							
1440.0							
	130.0						

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
131.0	132.97 133.96	-1.764 -1.764	26.263 26.263	33.Ø79 33.Ø79	26.645	1440.6
132.Ø 133.Ø	134.96	-1.764	26.264	33.079	26.645	1440.6
134.0	136.03	-1.764	26.262	33.075	26.643	1440.6
135.0	137.04	-1.764	26.265	33.079	26.646	1440.6
136.0	138.00	-1.764	26.266	33.080	26.646	1440.6
137.0	139.04	-1.763	26.267	33.080	26.646	1440.7
138.0	140.08	-1.762 -1.762	26.269 26.27Ø	33.Ø81 33.Ø81	26.647 26.647	1440.7
139.0	141.07 142.09	-1.762	26.269	33.079	26.646	1440.7
140.0	142.09	-1.762	26.272	33.083	26.649	1440.7
142.0	144.11	-1.762	26.272	33.082	26.648	1440.8
143.0	145.11	-1.761	26.274	33.083	26.649	1440.8
144.0	146.14	-1.761	26.275	33.Ø84	26.650	1440.8
145.0	147.18	-1.761	26.275	33.084	26.649	1440.8
146.0	148.15	-1.76Ø -1.759	26.276 26.277	33.Ø83 33.Ø83	26.649 26.649	1440.9
147.0	149.17 150.20	-1.759	26.279	33.085	26.650	1440.9
148.Ø 149.Ø	151.23	-1.76Ø	26.279	33.Ø85	26.650	1440.9
150.0	152.20	-1.760	26.279	33.085	26.650	1440.9
151.0	153.23	-1.759	26.280	33.085	26.65Ø	1440.9
152.0	154.27	-1.759	26.280	33.084	26.65Ø	1440.9
153.0	155.29	-1.759	26.281	33.085	26.650	1441.0
154.0	156.27	-1.759	26.282	33.085	26.651 26.65Ø	1441.0
155.0	157.29	-1.756	26.284 26.289	33.Ø85 33.Ø87	26.652	1441.0
156.0	158.31 159.34	-1.752 -1.753	26.289	33.088	26.652	1441.1
157.Ø 158.Ø	160.33	-1.752	26.290	33.Ø87	26.652	1441.1
159.0	161.35	-1.752	26.290	33.087	26.652	1441.1
160.0	162.36	-1.754	26.289	33.087	26.652	1441.1
161.0	163.39	-1.750	26.294	33.088	26.653	1441.1
162.0	164.40	-1.750	26.295	33.088	26.653 26.654	1441.2
163.0	165.39	-1.748	26.297	33.090 33.089	26.654	1441.2
164.0	166.44	-1.747 -1.747	26.298 26.300	33.090	26.654	1441.2
165.Ø 166.Ø	167.46 168.44	-1.746	26.301	33.091	26.655	1441.2
167.0	169.46	-1.747	26.301	33.090	26.654	1441.3
168.0	170.47	-1.747	26.301	33.090	26.654	1441.3
169.0	171.50	-1.746	26.302	33.091	26.655	1441.3
170.0	172.52	-1.745	26.304	33.091	26.655 26.655	1441.3
171.0	173.50	-1.742	26.307	33.Ø91 33.Ø92	26.656	1441.4
172.0	174.52	-1.743	26.307 26.310	33.093	26.657	1441.4
173.0	175.56 176.53	-1.74Ø -1.738	26.313	33.094	26.657	1441.4
174.Ø 175.Ø	177.58	-1.729	26,323	33.096	26.659	1441.5
175.0	178.57	-1.727	26.326	33.097	26.660	1441.5
177.0	179.59	-1.725	26.328	33.097	26.659	1441.5
178.0	180.63	-1.724	26.329	33.098	26.660	1441.6
179.0	181.63	-1.723	26.331	33.099	26.661 26.661	1441.6
180.0	182.62	-1.719	26.334	33.099 33.100	26.662	1441.6
181.0	183.68	-1.718 -1.717	26.337 26.338	33.101	26.662	1441.7
182.Ø 183.Ø	184.67 185.68	-1.713	26.340	33.098	26.660	1441.7
184.0	186.72	-1.711	26.345	33.102	26.663	1441.7
185.0	187.70	-1.710	26.347	33.103	26.664	1441.7
186.0	188.72	-1.708	26.349	33.103	26.664	1441.8
187.0	189.77	-1.708	26.350	33.104 33.100	26.664 26.661	1441.8
188.0	190.76	-1.707	26.348 26.352	33.103	26.664	1441.8
189.0	191.74 192.79	-1.706 -1.706	26.353	33.104	26.665	1441.9
190.0	193.82	-1.705	26.354	33.104	26.665	1441.9
192.0	194.79	-1.705	25.355	33.104	26.665	1441.9
193.0	195.83	-1.704	26.356	33.104	26.665	1441.9
194.0	196.86	-1.703	26.358	33.105 33.105	26.665 26.665	1441.9
195.0	197.84	-1.703	26.358 26.360	33.105	26.665	1442.8
196.0	198.85	-1.702 -1.701	26.362	33.106	26.666	1442.8
197.0	199.90	A 6 7 NJ A				

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
198.0	200.92	-1.701	26.363	33.105	26.666	1442.0
199.0	201.89	-1.700	26.364	33.107	26.667	1442.0
200.0	202.92	-1.699	26.365	33.107	26.667	1442.1
201.0	203.96	-1.699	26.365	33.106	26.666	1442.1
202.0 203.0	204.95	-1.699	26.365	33.105	26.666	1442.1
204.0	205.96	-1.698	26.367	33.107	26.567	1442.1
205.0	206.99 208.03	-1.698	26.368	33.107	26.667	1442.1
205.0	209.00	-1.698 -1.698	26.368	33.107	26.667	1442.1
207.0	210.00	-1.698	26.369 26.3 <b>6</b> 9	33.107	26.667	1442.2
208.0	211.07	-1.698	26.369	33.107	26.667	1442.2
209.0	212.06	-1.699	26.369	33.1Ø7 33.1Ø7	26.667	1442.2
210.0	213.05	-1.698	26.371	33.108	26.667 26.668	1442.2
211.0	214.06	-1.698	26.371	33.107	26.667	1442.2
212.0	215.12	-1.699	26.371	33.108	26.668	1442.3
213.0	216.12	-1.698	26.372	33.108	26.667	1442.3
214.0	217.11	-1.698	26.372	33.108	26.667	1442.3
215.0	218.12	-1.698	26.373	33.108	26.667	1442.3
216.0	219.17	-1.698	26.374	33.108	26.667	1442.3
217.0	220.19	-1.697	26.375	33.108	26.668	1442.3
218.0	221.16	-1.697	26.375	33.108	26.668	1442.4
219.0	222.17	-1.698	26.375	33.108	26.668	1442.4
220.0	223.23	-1.697	26.376	33.108	26.668	1442.4
221.0	224.25	-1.697	26.376	33.108	26.668	1442.4
222.Ø 223.Ø	225.24	-1.698	26.376	33.108	26.668	1442.4
224.0	22 <b>6.24</b> 22 <b>7.2</b> 6	-1.696 -1.696	26.378	33.108	26.668	1442.5
225.0	228.30	-1.695	26.379	33.108	26.668	1442.5
226.0	229.29	-1.694	26.381 26.382	33.109 33.109	26.669	1442.5
227.0	230.30	-1.695	26.381	33.109	26.669 26.668	1442.5
228.0	231.30	-1.696	26.381	33.109	26.668	1442.5
229.0	232.37	-1.695	26.382	33.109	26.669	1442.6
230.0	233.38	-1.695	26.382	33.108	26.667	1442.6
231.0	234.38	-1.695	26.384	33.110	26.669	1442.6
232.0	235.36	-1.694	26.385	33.109	26.669	1442.6
233.0	236.38	-1.694	26.385	33.110	26.669	1442.6
234.Ø 235.Ø	237.42	-1.694	26.386	33.109	26.669	1442.6
236.0	239.45	-1.694 -1.694	26.386	33.110	26.669	1442.7
237.0	240.43	-1.694	26.386 26.387	33.110	26.669	1442.7
238.0	241.46	-1.694	26.387	33.11Ø 33.11Ø	26.669	1442.7
239.0	242.51	-1.694	26.388	33.110	26.669 26.669	1442.7
240.0	243.52	-1.694	26.389	33.110	26.669	1442.7
241.0	244.49	-1.694	26.389	33.110	26.669	1442.8
242.0	245.51	-1.694	26.390	33.110	26.669	1442.8
243.0	246.55	-1.894	26.390	33.110	26.669	1442.8
244.Ø 245.Ø	247.55	-1.694	26.391	33.110	26.669	1442.8
245.0	248.53	-1.694	26.391	33.111	26.670	1442.8
247.0	249.61 250.61	-1.694 -1.694	26.391	33.110	26.669	1442.9
248.0	251.59	-1.694	26.392 26.392	33.110	26.669	1442.9
249.0	252.62	-1.693	26.393	33.110	26.669	1442.9
250.0	253.64	-1.693	26.394	33.11Ø 33.11Ø	26.669	1442.9
251.0	254.64	-1.694	26.394	33.110	26.669 26.67Ø	1442.9
252.0	255.64	-1.693	26.395	33.110	26.669	1442.9 1443.Ø
253.0	256.69	-1.692	26.396	33.111	26.670	1443.0
254.0	257.7Ø	-1.693	26.396	33.111	26.670	1443.0
255.0	258.67	-1.693	26.396	33.111	26.670	1443.0
256.Ø	259.73	-1.692	26.397	33.111	26.670	1443.0
257.Ø 258.Ø	260.76	-1.693	26.397	33.111	26.670	1443.0
259.Ø	261.74 262.73	-1.693	26.398	33.111	26.670	1443.1
260.0	263.79	-1.692 -1.692	26.399	33.111	26.670	1443.1
261.0	264.79	-1.692	26.399 26.400	33.111	26.670	1443.1
262.0	265.79	-1.693	26.400	33.111	26.670	1443.1
263.0	266.83	-1.692	26.401	33.111	26.67Ø 26.67Ø	1443.1
264.0	267.86	-1.692	26.401	33.111	26.670	1443.1
					20.070	1443.6

### EXPERIMENT 3Ø31

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	( MMHO )	(8/88)		(M/SEC)
( ) ( )						
265.0	268.83	-1.692	26.402	33.111	26.678	1443.2
266.0	269.86	-1.692	26.402	33.111	26.670	1443.2
267.0	270.89	-1.693	26.402	33.111	26.67.0	1443.2
	271.92	-1.692	26.403	33.111	26.670	1443.2
268.0			26.403	33.111	26.670	1443.2
269.Ø	272.89	-1.692			26.67Ø	1443.3
270.0	273.90	-1.692	26.404	33.111		
271.0	274.93	-1.692	26.405	33.111	26.670	1443.3
272.0	275.96	-1.692	26.405	33.112	26.670	1443.3
273.0	276.96	-1.692	26.405	33.112	26.670	1443.3
274.Ø	277.97	-1.692	26.406	33.111	26.670	1443.3
275.Ø	279.02	-1.692	26.407	33.112	26.670	1443.3
	280.02	-1.691	26.407	33.112	26.671	1443.4
276.0		-1.692	26.408	33.112	26.671	1443.4
277.0	281.01			33.111	26.670	1443.4
278.Ø	282.02	-1.692	26.408			1443.4
279.0	283.03	-1.692	26.409	33.112	26.671	
280.0	283.85	-1.692	25.410	33.113	26.671	1443.4



CRUISE 15-77-021 CROZIER STRAIT-77 SITE C(4)B EXPERIMENT 3Ø37 LAT.N. 75-30-16 LONG.W. 97-08-01 DATE 188477 G.M.T. 2145 838Ø531 N 552114 E DEPTH INCR 1.00 WATER DEPTH 286 M U.T.M. ZONE 14 DEPTH PRESSURE TEMP COND SALINITY SIGMAT SOUND (MMHO) (DEG.C) (0/00) (M/SEC) (M) (DBARS) 32.945 26.538 1.28 -1.786 26.093 1438.1 2.0 -1.786 26.094 32.946 26.538 1438.1 2.32 3.0 4.8 3.36 -1.787 26.095 32.947 26.539 1438.1 26.095 32.947 -1.787 26.539 1438.2 5.0 4.37 26.096 32.950 26.541 1438.2 6.0 5.47 -1.789-1.790 1438.2 26.096 32.950 26.542 7.0 6.47 -1.790 32.951 26.542 7.49 26.096 1438.2 8.0 32.951 26.543 9.0 8.53 -1.791 26.097 1438.2 -1.791 26.097 32.952 26.543 1438.2 9.57 10.0 1438.2 -1.791 26.098 32.952 26.543 11.0 10.61 -1.792 26.098 32.952 26.543 1438.3 12.0 11.58 -1.793 26.098 32.953 26.544 1438.3 12.65 13.0 -1.794 1438.3 14.0 13.61 26.098 32.954 26.545 14.64 -1.794 26.100 32.956 26.546 1438.3 15.0 32.956 1438.3 15.68 -1.794 26.101 26.547 16.0 26.104 16.65 -1.793 32.958 26.548 1438.3 17.0 -1.791 26.105 32.958 26.548 1438.4 18.0 17.69 32.959 1438.4 26.549 19.0 18.71 -1.789 26.108 19.69 26.549 1438.4 20.0 -1.789 26.109 32.959 1438.4 32.960 26.549 20.75 -1.788 26.111 21.0 1438.5 -1.788 26.111 32.960 26.549 22.0 21.73 22.73 -1.787 26.112 32.960 26.550 1438.5 23.0 1438.5 32.961 26.550 24.0 23.79 -1.785 26.114 24.79 26.552 1438.5 25.0 -1.784 26.117 32.963 1438.5 32.967 26.555 25.78 -1.784 26.121 26.0 1438.6 27.0 -1.786 26.125 32.974 26.561 26.85 1438.6 28.0 27.83 -1.787 26.125 32.975 26.562 32.976 26.562 1438.6 -1.788 26.125 29.0 28.83 -1.789 32.977 26.563 1438.6 30.0 29.88 26.126 32.978 26.565 1438.6 -1.792 26.125 31.0 30.88 -1.793 32.979 26.565 1438.6 32.0 31.87 26.125 26.566 1438.6 33.0 32.980 32.90 -1.793 26.126 26.127 26.567 1438.7 33.89 -1.793 32.981 34.0 26.567 1438.7 -1.793 26.128 32.981 35.0 34.92 -1.794 26.128 1438.7 32.982 26.567 36.0 35.92 1438.7 -1.794 26.129 .32.982 26.567 37.0 36.96 32.982 1438.7 37.93 26.568 -1.794 26.129 38.0 1438.7 26.568 32.982 39.0 38.97 -1.794 26.130 32.983 1438.8 26.568 40.0 39.94 -1.794 26.130 41.01 -1.794 32.983 26.568 1438.8 26.131 41.0 26.569 32.983 1438.8 41.98 42.0 -1.794 26.131 -1.793 26.132 32.983 26.568 1438.8 43.02 43.0 26.569 32.984 1438.8 -1.794 26.133 44.0 44.01 45.07 32.984 26.569 1438.8 45.0 -1.793 26.134 26.570 1438.9 -1.794 26.135 32.985 46.07 46.0 26.578 1438.9 32.985 -1.793 26.135 47.0 47.10 26.570 1438.9 48.0 48.11 -1.793 26.137 32.986 26.571 32.986 1438.9 26.138 49.0 49.12 -1.793 1438.9 -1.792 26.571 32.987 50.14 26.139 50.0 32.987 1439.0 26.572 -1.792 26.140 51.0 51.11 32.987 26.572 1439.0 -1.791 26.141 52.0 52.17 1439.0 32.988 26.572 53.0 53.14 -1.791 26.142 1439.0 -1.790 26.144 32.989 26.573 54.0 54.21 32.988 26.573 1439.0 -1.790 26.144 55.14 55.0 1439.0 26.573 26.144 32.989 56.0 -1.790 56.22

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## EXPERIMENT 3Ø37

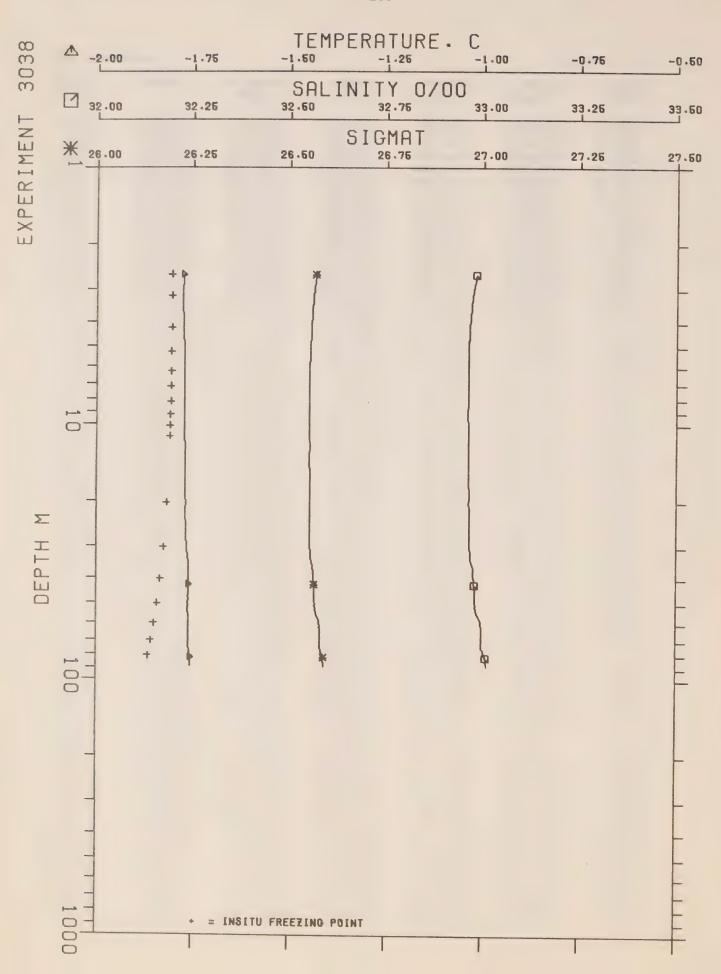
					EAFER.	IMENI 3037
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)		(M/SEC)
64.0	64.30	-1.782	26.163	33.000	26.582	1439.2
65.0	65.36	-1.780	26.165	33.001	26.583	1439.3
66.Ø	66.32	-1.779	26.167	33.001	26.583	1439.3
67.0	67.37	-1.779	26.167	33.001	26.583	1439.3
68.0	68.37	-1.780	26.168	33.002	26.584	1439.3
69.0	69.39	-1.781	26.168	33.004	26.585	1439.3
70.0	70.43	-1.781	26.169	33.005	26.586	1439.3
71.Ø 72.Ø	71.39	-1.781	26.169	33.005	26.586	1439.4
73.0	72.46 73.45	-1.781 -1.78Ø	26.17Ø 26.172	33.005	26.586	1439.4
74.0	74.46	-1.780	26.172	33.005 33.005	26.586	1439.4
75.Ø	75.50	-1.780	26.173	33.006	26.586 26.586	1439.4
76.0	76.48	-1.778	26.175	33.006	26.587	1439.4
77.Ø	77.50	-1.778	25.176	33.007	26.588	1439.5
78.0	78.56	-1.777	26.179	33.009	26.589	1439.5
79.0	79.52	-1.775	26.183	33.011	26.591	1439.5
80.0	80.56	-1.773	26.186	33.012	26.592	1439.6
81.0	81.60	-1.772	26.187	33.013	26.592	1439.6
82.Ø 83.Ø	82.57	-1.773	26.188	33.014	26.593	1439.6
84.Ø	83.60 84.64	-1.772	26.189	33.015	26.594	1439.6
85.0	85.60	-1.772 -1.772	26.19Ø 26.19Ø	33.015	26.594	1439.6
86.0	86.65	-1.772	26.191	33.Ø15 33.Ø15	26.594	1439.7
87.Ø	87.70	-1.772	26.191	33.015	26.594 26.594	1439.7
88.0	88.66	-1.773	26.191	33.015	26.594	1439.7
89.0	89.69	-1.771	26.193	33.Ø15	26.594	1439.7
90.0	90.74	-1.771	26.195	33.016	26.595	1439.7
91.0	91.70	-1.770	26.195	33.016	26.595	1439.8
92.0	92.71	-1.771	26.196	33.Ø17	26.595	1439.8
93.0	93.77	-1.769	26.199	33.019	26.597	1439.8
94.0	94.75	-1.767	26.204	33.022	26.600	1439.8
95.Ø 96.Ø	95.74 96.79	-1.765	26.206	33.023	26.600	1439.9
97.0	97.83	-1.764 -1.764	26.207	33.024	26.601	1439.9
98.0	98.79	-1.762	26.209	33.025	26.602	1439.9
99.0	99.83	-1.762	26.213	33.Ø26 33.Ø26	26.602	1439.9
100.0	100.88	-1.761	26.214	33.027	26.6Ø3 26.6Ø4	1440.0
101.0	1Ø1.85	-1.761	26.215	33.028	26.604	1440.0
102.0	102.85	-1.760	26.218	33.029	26.605	1440.0
103.0	103.90	-1.759	26.220	33.030	26.606	1440.0
104.0	104.85	-1.758	26.222	33.033	26.608	1440.1
105.0 106.0	105.92 106.91	-1.760	26.222	33.033	26.609	1440.1
107.0	100.91	-1.76Ø -1.761	26.223	33.034	26.609	1440.1
108.0	108.96	-1.762	26.223	33.034	26.609	1440.1
109.0	109.95	-1.762	26.224	33.Ø36 33.Ø36	26.610	1440.1
110.0	111.00	-1.763	26.224	33.036	26.610 26.611	1440.1
111.0	111.99	-1.763	26.224	33.036	26.611	1440.1
112.0	113.01	-1.762	26.226	33.037	26.611	1440.2
113.0	114.03	-1.762	26.227	33.038	26.612	1440.2
114.0	115.02	-1.761	26.228	33.038	26.612	1440.2
115.Ø 116.Ø	116.07	-1.761	26.228	33.038	26.612	1440.2
117.0	117.06	-1.761	26.229	33.038	26.612	1440.3
118.0	118.05	-1.761 -1.762	26.23Ø	33.038	26.613	1440.3
119.0	120.09	-1.762	26.230	33.039	26.613	1440.3
120.0	121.13	-1.761	26.231	33.039	26.613	1440.3
121.0	122.16	-1.762	26.232	33.Ø39 33.Ø4Ø	26.613 26.614	1440.3
122.0	123.12	-1.762	26.233	33.040	26.614	1440.3
123.0	124.19	-1.762	26.234	33.041	26.614	1440.4
124.0	125.20	-1.762	26.234	33.040	26.614	1440.4
125.0	126.17	-1.762	26.235	33.041	26.615	1440.4
126.Ø 127.Ø	127.22	-1.763	26.235	33.043	26.616	1440.4
128.0	128.2Ø 129.2Ø	-1.765	26.235	33.044	26.618	1440.4
129.0	130.26	-1.763 -1.763	26.240	33.049	26.621	1440.5
130.0	131.24	-1.761	26.241	33.Ø49 33.Ø5Ø	26.621	1440.5
			L U + L + +	33.030	26.622	1440.5

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
131.0	132.28	-1.761 -1.760	26.246	33.Ø51 33.Ø52	26.623 26.624	1440.5
132.Ø 133.Ø	134.29	-1.759	26.248	33.052	26.624	1440.6
134.0	135.32	-1.760	26.248	33.052	26.624	1440.6
135.0	136.35	-1.760	26.249	33.052	26.624	1440.6
136.0	137.32	-1.759	26.250	33.053	26.625	1440.5
137.0	138.37	-1.759 -1.759	26.252 26.252	33.Ø55 33.Ø55	26.626 26.626	1440.6
138.Ø 139.Ø	139.40 140.36	-1.759	26.253	33.054	26.626	1440.7
140.0	141.42	-1.759	26.254	33.056	26.627	1440.7
141.0	142.45	-1.759	26.255	33.057	26.628	1440.7
142.0	143.42	-1.758	26.258	33.059	26.629	1440.7
143.0	144.45	-1.758 -1.757	26.259 26.261	33.Ø6Ø 33.Ø62	26.63Ø 26.631	1440.7
144.0	145.48	-1.759	26.261	33.062	26.632	1440.8
145.0	147.49	-1.759	26.261	33.063	26.632	1440.8
147.0	148.53	-1.760	26.261	33.063	26.633	1440.8
148.0	149.49	-1.761	26.262	33.063	26.633	1440.8
149.0	150.52	-1.761	26.262 26.262	33.Ø63 33.Ø64	26.633 26.633	1440.8
150.0 151.0	151.56 152.55	-1.761 -1.763	25.262	33.064	26.633	1440.9
152.0	153.55	-1.762	26.263	33.064	26.634	1440.9
153.0	154.61	-1.762	26.263	33.064	26.634	1440.9
154.0	155.60	-1.764	26.262	33.064	26.633	1440.9
155.0	156.59	-1.765	26.261	33.Ø63 33.Ø64	26.633 26.634	1440.9
156.0	157.65 158.65	-1.767 -1.766	26.261 26.262	33.064	26.633	1441.0
157.Ø 158.Ø	159.62	-1.764	26.263	33.064	26.633	1441.0
159.Ø	160.68	-1.763	26.265	33.064	26.633	1441.0
160.0	161.71	-1.765	26.265	33.065	26.634	1441.0
161.0	162.68	-1.758	26.27Ø	33.064	26.633	1441.1
162.0	163.70	-1.757 -1.757	26.272 26.273	33.065 33.066	26.634 26.635	1441.1
163.Ø 164.Ø	164.77 165.76	-1.755	26.274	33.065	26.634	1441.1
165.0	166.74	-1.755	26.275	33.065	26.634	1441.1
166.0	167.79	-1.755	26.275	33.066	26.635	1441.2
167.0	168.81	-1.755	26.276	33.066	26.635	1441.2
168.0	169.80	-1.755 -1.754	26.277 26.278	33.066 33.066	26.635 26.635	1441.2
169.Ø 17Ø.Ø	17Ø.79 171.85	-1.752	26.280	33.066	26.635	1441.2
170.0	172.83	-1.753	26.280	33.067	26.635	1441.2
172.0	173.83	-1.751	26.282	33.Ø67	26.636	1441.3
173.Ø	174.89	-1.752	26.282	33.067	26.635	1441.3
174.0	175.86	-1.752	26.282 26.282	33.Ø67 33.Ø67	26.635 26.636	1441.3
175.0	176.93 177.90	-1.753 -1.753	26.282	33.867	26.635	1441.3
176.Ø 177.Ø	178.93	-1.752	26.284	33.Ø67	26.636	1441.4
178.0	179.96	-1.753	26.283	33.067	26.635	1441.4
179.0	180.92	-1.754	26.283	33.066	26.635	1441.4
180.0	181.99	-1.753	26.284	33.Ø67 33.Ø68	26.635 26.636	1441.4
181.0	182.97 183.98	-1.753 -1.753	26.285 26.285	33.067	26.636	1441.4
182.Ø 183.Ø	185.04	-1.752	26.288	33.069	26.637	1441.5
184.0	186.01	-1.749	26.291	33.069	26.637	1441.5
185.0	187.Ø5	-1.749	26.291	33.069	26.637	1441.5
186.0	188.04	-1.750	26.291 26.292	33.070 33.070	26.638 26.638	1441.5
187.0	189.Ø4 19Ø.1Ø	-1.749 -1.749	26.293	33.070	26.638	1441.6
188.Ø 189.Ø	191.08	-1.752	26.292	33.072	26.640	1441.5
190.0	192.14	-1.753	26.293	33.072	26.640	1441.6
191.0	193.12	-1.753	26.293	33.073	26.64Ø 26.641	1441.6
192.0	194.12	-1.753	26.294 26.294	33.Ø73 33.Ø74	26.642	1441.6
193.0	195.17 196.14	-1.754 -1.754	26.295	33.075	26.642	1441.6
194.Ø 195.Ø	197.18	-1.754	26.296	33.076	26.643	. 1441.7
196.0	198.19	-1.754	26.297	33.076	26.643	1441.7
197.0	199.18	-1.754	26.298	33.077	26.644	1441.7

# EXPERIMENT 3Ø37

					LATER.	LITER 1 3037
DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHO)	(0/00)	o a di in i	(M/SEC)
						(11) 520 /
198.0	200.23	-1.755	26.298	33.078	26.644	1441.7
199.0	201.23	-1.754	26.299	33.078	26.644	1441.7
200.0	202.26	-1.755	26.300	33.079	26.645	1441.7
201.0	203.24	-1.755	26.300	33.078	26.645	1441.8
202.0	204.26	-1.755	26.301	33.079	26.645	1441.8
203.0	205.28	-1.755	26.301	33.078	26.645	1441.8
204.0	206.30	-1.755	26.302	33.079	26.646	1441.8
205.0 206.0	207.31	-1.756	26.302	33.080	26.646	1441.8
207.0	209.36	-1.757	26.302	33.081	26.647	1441.8
208.0	210.32	-1.759 -1.761	26.301	33.081	26.647	1441.8
209.0	211.40	-1.762	26.301 26.301	33.082	26.648	1441.8
210.0	212.36	-1.762	26.301	33.Ø82 33.Ø82	26.648	1441.9
211.0	213.39	-1.764	26.301	33.083	26.648	1441.9
212.0	214.43	-1.763	26.302	33.084	26.649	1441.9
213.0	215.40	-1.759	26.307	33.085	26.65Ø	1441.9
214.0	216.48	-1.758	26.308	33.085	26.650 26.651	1441.9
215.0	217.43	-1.759	26.308	33.085	26.650	1442.8
216.0	218.47	-1.760	26.3Ø8	33.086	26.651	1442.0
217.0	219.50	-1.761	26.308	33.086	26.651	1442.0
218.0	220.48	-1.761	26.309	33.Ø86	26.652	1442.0
219.0	221.54	-1.761	26.309	33.087	26.652	1442.0
220.0	222.52	-1.759	26.311	33.087	26.652	1442.1
221.0	223.55	-1.760	26.311	33.088	26.653	1442.1
222.0	224.57	-1.759	26.312	33.088	26.653	1442.1
223.0	225.55	-1.759	26.314	33.089	26.654	1442.1
224.0	226.61	-1.759	26.315	33.089	26.654	1442.1
225.0	227.58	-1.758	26.316	33.089	26.654	1442.2
226.0	228.62	-1.759	26.316	33.090	26.654	1442.2
227.0	229.61	-1.759	26.316	33.090	26.654	1442.2
228.0	230.63	-1.759	26.316	33.090	26.654	1442.2
229.0	231.65	-1.759	26.317	33.090	26.654	1442.2
23Ø.Ø 231.Ø	232.67	-1.759	26.318	33.090	26.655	1442.2
232.0	233.68	-1.758	26.319	33.090	26.654	1442.3
233.0	234.68	-1.757	26.319	33.090	26.654	1442.3
234.0	235.74 236.71	-1.757	26.321	33.090	26.655	1442.3
235.0	237.76	-1.757	26.322	33.091	26.655	1442.3
236.0	238.73	-1.757 -1.756	26.322	33.091	26.655	1442.3
237.0	239.76	-1.754	26.323	33.090	26.655	1442.3
238.0	240.78	-1.752	26.325 26.327	33.091	26.655	1442.4
239.0	241.79	-1.752	26.328	33.Ø91 33.Ø92	26.655	1442.4
240.0	242.79	-1.750	26.330	33.092	26.656	1442.4
241.0	243.85	-1.749	26.332	33.093	26.656	1442.4
242.0	244.80	-1.750	26.332	33.093	26.657 26.656	1442.5
243.0	245.85	-1.746	26.336	33.093	26.657	1442.5
244.0	246.88	-1.742	26.340	33.094	26.657	1442.5
245.Ø	247.87	-1.733	26.349	33.095	26.658	1442.6
246.0	248.88	-1.735	26.348	33.096	26.659	1442.6
247.0	249.92	-1.728	26.355	33.097	26.660	1442.7
248.0	250.89	-1.723	26.359	33.098	26.660	1442.7
249.0	251.93	-1.718			201002	1776.7
250.0	252.99	-1.716	26.369	33.102	26.663	1442.8
251.0	253.93	-1.715	26.371	33.103	26.664	1442.8
252.0	254.98	-1.713	26.374	33.104	26.665	1442.8
253.0	256.01	-1.711	26.376	33.105	26.666	1442.9
254.Ø 255.Ø	256.98	-1.705	26.382	33.105	26.665	1442.9
256.0	258.Ø1 259.Ø6	-1.706	26.384	33.108	26.668	1442.9
257.0	260.03	-1.707	26.382	33.107	26.667	1442.9
258.0	261.08	-1.705	26.386	33.109	26.669	1443.0
259.0	262.07	-1.704 -1.704	26.387	33.198	26.668	1443.0
260.0	263.06	-1.704	26.388	33.148	26.668	. 1443.0
261.0	264.12	-1.704	26.388 26.388	33.108	26.668	1443.0
262.0	265.11	-1.764	26.390	33.108	26.668	1443.8
263.0	266.11	-1.704	26.389	33.1#8 33.1#8	26.67Ø	1443.1
264.0	267.17	-1.704	26.390		26.668	1443.1
			20.330	33.1%9	26.668	1.443.1

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
265.Ø 266.Ø 267.Ø 268.Ø 270.Ø 271.Ø 272.Ø 273.Ø 274.Ø 275.Ø 276.Ø 277.Ø 278.Ø 279.Ø	268.16 269.15 270.23 271.18 272.23 273.26 274.23 275.29 276.24 277.29 278.33 279.29 280.35 281.35 282.34	-1.704 -1.703 -1.703 -1.703 -1.703 -1.703 -1.703 -1.703 -1.703 -1.703 -1.702 -1.702 -1.702 -1.702 -1.702	26.390 26.391 26.391 26.393 26.393 26.394 26.394 26.395 26.395 26.397 26.397 26.398 26.398 26.398	33.108 33.109 33.109 33.109 33.109 33.109 33.109 33.109 33.109 33.110 33.110 33.110	26.668 26.668 26.668 26.668 26.669 26.669 26.669 26.669 26.669 26.669 26.669 26.669	1443.1 1443.1 1443.2 1443.2 1443.2 1443.2 1443.2 1443.3 1443.3 1443.3 1443.3 1443.3
280.0	283.23	-1.702	26.399	33.109	20.009	244014



CRUISE 15-77-Ø21 CROZIER STRAIT-77 SITE C(3)B EXPERIMENT 3Ø38

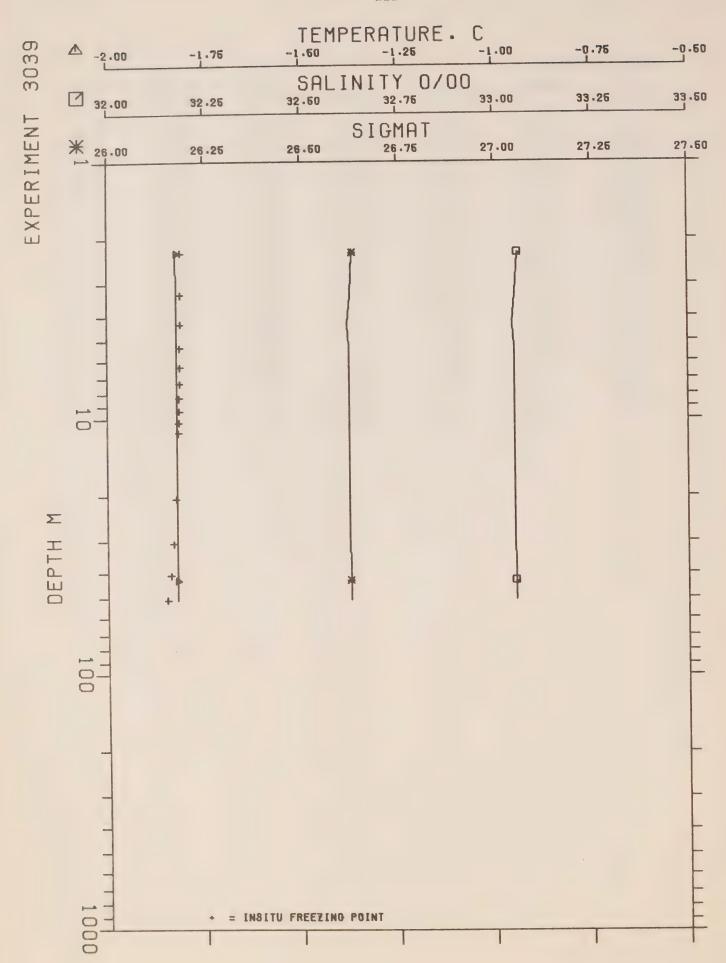
LAT.N. 75-3Ø-3Ø LONG.W. 97-1Ø-26 DATE 13Ø477 G.M.T. Ø23Ø

U.T.M. ZONE 14 8381Ø93 N 551Ø25 E DEPTH INCR 1.ØØ WATER DEPTH 92 M

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
2.0	2.62	-1.776	26.128	32.982 32.972	2 <b>6.</b> 567 26.559	1438.2
3.0	3.17	-1.776	26.121	32.966	26.554	1438.2
4.0	4.22	-1.775	26.118 26.118	32.963	26.551	1438.3
5.0	5.23	-1.773 -1.772	26.118	32.962	26.551	1438.3
6.0	6.26	-1.772	26.118	32.962	26.551	1438.3
7.0	7.15 8.22	-1.772	26.119	32 962	26.551	1438.3
8.0	9.20	-1.772	26.119	32.961	26.55Ø	1438.3
9.Ø 1.Ø.Ø	10.18	-1.772	26.120	32.962	26.551	1438.3
11.0	11.22	-1.772	26.120	32.962	26.551	1438.4
12.0	12.22	-1.770	26.123	32.963	26.552	1438.4
13.0	13.22	-1.770	26.122	32.961	26.55Ø 26.551	1438.4
14.0	14.27	-1.771	26.123	32.962	26.552	1438.4
15.0	15.26	-1.771	26.124	32.963 32.963	26.552	1438.5
16.0	16.22	-1.770	26.125	32.963	26.552	1438.5
17.0	17.24	-1.770	26.125 26.128	32.964	26.553	
18.0	18.28	-1.769 -1.769	26.128	32.965	26.553	1438.5
19.0	19.26	-1.769	26.128	32.964	26.552	1438.5
20.0	20.28 21.31	-1.769	26.129	32.964	26.553	1438.5
21.0			26.129	32.964	26.553	1438.6
23.0	23.25	-1.769 -1.769 -1.768	26.129	32.964	26.552	1438.6
24.0	24.28	-1.768	.26.131	32.964	26.552	
25.0	25.27	-1.768	26.132	32.964	26.552	1438.6 1438.6
26.0 .	26.23	-1.768 -1.767	26.132	32.964	26.553 26.552	1438.7
27.0	27.26		26.133	32.964	26.553	
28.0	28.30	-1.767	26.134	32.964 32.965	26.553	1438.7
29.0	29.26	-1.765	26.136 26.137	32.965	26.553	
30.0	30.29	-1.765 -1.764	26.137	32.966	26.554	1438.7
31.0	31.32	-1.763	26.141	32.968	26.555	1438.8
32.0	32.34 33.29	-1.763	26.141	32.968	26.555	1438.8
33.0	34.35	-1.761	26.146	32.971	26.558 26.56Ø	1438.8
34.Ø 35.Ø	35.33	-1.761	26.148	32.973	26.560	1438.8
36.0	36.32	-1.761	26.149	32.974	26.561	1438.8
37.0	37.39	-1.761	26.150	32.976	26.562 26.562	1438.9
38.0	38.32	-1.761	26.151	32.976	26.562	1438.9
39.0	39.38	-1.761	26.152	32.976 32.976	26.562	1438.9
40.0	40.35	-1.761	26.152 26.153	32.977	26.563	1438.9
41.0	41.33	-1.761	26.154	32.978	26.564	1438.9
42.0	42.39	-1.761 -1.761	26.155	32.979	26.564	1439.0
43.0	43.33	-1.761	26.156	32.979	26.564	1439.0
44.Ø 45.Ø	45.40	-1.761	26.156	32.979	26.564	1439.Ø 1439.Ø
45.0	46.38	-1.761	26.157	32.979	26.565	
47.0	47.32	-1.761	26.157	32.979	26.565	1439.0
48.0	48.31	-1.761	26.158	32.980	26.566	1439.1
49.0	49.36	-1.761	26.158	32.981 32.982	26.567	1439.1
50.0	50.32	-1.762	26.160	32.981	26.566	1439.1
51.0	51.36	-1.761	26.16Ø 26.161	32.982	26.567	1439.1
52.0	52.35	-1.761 -1.761	26.161	32.982	26.567	1439.1
53.0	53.31	-1.761	26.164	32.985	26.569	1439.2
54.Ø	54.34 55.28	-1.761	26.166	32.987	26.571	1439.2
55.Ø 56.Ø	56.26	-1.761	26.169	32.990	26.574	1439.2
57.Ø	57.29	-1.761	26.171	32.992	26.575 26.577	1439.2
58.0	58.22	-1.760	26.174	32.995	26.578	1439.3
59.0	59.19	-1.760	26.175	32.996 32.996	26.578	1439.3
60.0	60.09	-1.760	26.175 26.176	32.996	26.578	1439.3
61.0	60.62	-1.76Ø	26.177	32.997	26.579	1439.3
62.0	61.28	-1.76Ø -1.76Ø	26.177	32.997	26.579	1439.3
63.0	62.14	1.700	20			

DEPTH (M)	PRESSURE (DBARS)	TEMP (DEG.C)	COND (MMHO)	SALINITY (Ø/ØØ)	SIGMAT	SOUND (M/SEC)
					SIGMAT  26.579 26.579 26.580 26.579 26.579 26.579 26.579 26.579 26.579 26.580 26.583 26.583 26.583 26.5884 26.5887 26.5887	
83.0 84.0 85.0 86.0 87.0 88.0 89.0	82.19 83.25 84.49 85.21 86.26 87.24 88.15	-1.755 -1.755 -1.755 -1.755 -1.755 -1.755	26.197 26.198 26.199 26.201 26.202 26.202 26.203	33.008 33.009 33.009 33.011 33.011 33.011	26.589 26.589 26.588 26.590 26.590 26.590 26.591	1439.7 1439.7 1439.7 1439.7 1439.7 1439.8 1439.8





CRUISE 15-77-021 PULLEN STRAIT-77 SITE P(3)8 EXPERIMENT 3039

LAT.N. 75-26-32 LONG.W. 96-05-53 DATE 210477 G.M.T. 2040

U.T.M. ZONE 14 8374755 N 581462 E DEPTH INCR 1.00 WATER DEPTH 54 M

DEPTH	PRESSURE	TEMP	COND	SALINITY	SIGMAT	SOUND
(M)	(DBARS)	(DEG.C)	(MMHQ)	(8/88)	0101111	(M/SEC)
2.0	2.26 3.29	-1.821	26.149	33.062	26.633	1438.1
3.Ø 4.Ø	4.30	-1.820 -1.820	26.146	33.055	26.628	1438.1
5.8	5.30		26.140	33.047	26.620	1438.1
6.0	6.30	-1.82Ø -1.82Ø	26.144	33.051	26.624	1438.2
7.0	7.30	-1.820	26.145	33.Ø52 33.Ø52	26.625	1438.2
8.Ø	8.31	-1.820	26.145	33.052	26.625 26.625	1438.2
9.0	9.32	-1.820	26.146	33.052	26.625	1438.2
10.0	10.34	-1.820	26.146	33.051	26.624	1438.2
11.0	11.36	-1.820	26.147	33.052	26.625	1438.3
12.0	12.39	-1.820	26.147	33.052	26.625	1438.3
13.0	13.41	-1.820	26.148	33.052	26.625	1438.3
14.0	14.42	-1.820	26.149	33.052	26.625	1438.3
15.0	15.45	-1.820	26.149	33.Ø52	26.625	1438.3
16.0	16.45	-1.820	26.149	33.052	26.625	1438.3
17.0	17.46	-1.820	26.150	33.053	26.625	1438.4
18.0	18.46	-1.820	26.151	33.052	26.625	1438.4
19.0	19.47	-1.820	26.151	33.053	26.625	1438.4
20.0	20.47	-1.820	26.151	33.052	26.625	1438.4
21.0	21.49	-1.820	26.152	33.053	26.625	1438.4
22.0	22.49	-1.820	26.152	33.053	26.625	1438.4
23.0	23.49	-1.820	26.153	33.053	26.625	1438.5
24.0	24.51	-1.820	26.154	33.053	26.626	1438.5
25.0	25.53	-1.820	26.154	33.053	26.626	1438.5
26.0	26.52	-1.820	26.155	33.053	26.626	1438.5
27.0	27.55	-1.820	26.155	33.053	26.626	1438.5
29.Ø 29.Ø	28.55 29.58	-1.820 -1.819	26.156 26.156	33.Ø53 33.Ø53	26.626 26.626	1438.5
30.0	29.56 3Ø.61	-1.819	26.157	33.053	26.626	1438.6
31.0	31.61	-1.819	26.157	33.053	26.626	1438.6
32.0	32.65	-1.819	26.158	33.053	26.626	1438.6
33.0	33.65	-1.819	26.158	33.054	26.626	1438.6
34.0	34.66	-1.819	26.159	33.054	26.626	1438.6
35.0	35.67	-1.819	26.159	33.054	26.626	1438.7
36.0	36.64	-1.819	26.160	33.054	26.627	1438.7
37.0	37.65	-1.819	26.161	33.055	26.627	1438.7
38.0	38.65	-1.819	26.161	33.Ø54	26.627	1438.7
39.0	39.68	-1.819	26.161	33.Ø54	26.627	1438.7
40.0	40.72	-1.819	26.162	33.055	26.627	1438.8
41.0	41.73	-1.819	26.163	33.055	26.627	1438.8
42.0	42.73	-1.819	26.163	33.055	26.627	1438.8
43.0	43.71	-1.819	26.164	33.055	26.627	1438.8
44.0	44.71	-1.819	26.164	33.055	26.627	1438.8
45.0	45.72	-1.819	26.165	33.Ø55 33.Ø55	26.627 26.627	1438.8
46.Ø 47.Ø	46.75 47.79	-1.819 -1.819	26.1 <b>65</b> 26.166	33.055	26.628	1438.9
48.0	47.79	-1.819	26.166	33.055	26.627	1438.9
49.0	49.75	-1.819	26.167	33.055	26.628	1438.9
50.0	50.63	-1.819	26.167	33.056	26.628	1438.9
20.0	32.03	1.013	20.107	00.200		







